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aagcacctca agtttgagat aaaattttga agcagtagtg cattcaggtc aaaaatgaca    120

gacaaggctg gcaacccagt ccctgtagac aaatatgaat atacaaaatg tagcaaagct    180

aagatggcga aaaactcaca catgttgagc cggttatgta tgacacaaca actgttatgt    240

catcaagttt gccaccataa taacggaacc cagcctcttg agcagccgta gaaaatggtg    300

tcggcctatt cctgtccagt gctcgttgac gagccagtac tgctatcttc tgagcagtta    360

cttggggttc tagtccagct ctaactgaat gtaaaacaac ttcagtgacc tcatcattgt    420

acagattgtc aaacaatcca tctgttccag caacgacaac atctcctggg gcaacaggta    480

tt                                                                    482


<210>      2659
<211>      605
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220051d09a1

<400>      2659

atcaattata agcatgggtt tgtggaacac aacgaatgca gtgtcttgcc gctttcacaa     60

gtttggtgat gaccaaaaga atctggtctt ccaaggtgat gccacgtctt cttccagggg    120

catagaactc acaaagttag acggtggagg aaaaccagtg ggtggcagtg tggggagagt    180

gttatactct tctccagtgc acctttggga aagctctaca gtggtcgcaa gctttgaaac    240

cgacttcacc ttttccatct catcagactc tactactcca ggtgatggcc ttgccttctt    300

cattgcacca tttgacacta aaatccctcc aaactctggt gggagcaacc ttggactctt    360

cccatcagac aatgttgttg ctgtcgagtt tgacacctac cctaatcgtg ataaggggga    420

tccagattat agacacattg gtatcgatgt caactctatt gtctccaagg caactgctaa    480

gtgggagtgg caaaatggca aaatagccac tgtacatatc agctataact ctgcctctaa    540

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gagct                                                                 605


<210>      2660
<211>      460
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmfl02220051d09d1

<400>   2660

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tatattagtt aattcacct ttagccttt ttcactggtt cataagacgt atccctcaac   180

caaaaaaata caaaggttgt gggggaactc ttctttggtt gccttttgtt ttttttaatg   240

aaaactaaaa gcctaattat aataacaata tcaatcaaca tgctgcagaa ggattggcga   300

aggggttgaa gaagtgaggc ttaggggcca tggagaatga tgtcttgggg gaaccgacgg   360

caccgttgac ggcgctgacg acgagcctct ctgaagaggg gcacatggcg agtgttgccc   420

gaggcatagg catgttcaac ggctgagcca gtttcagtgc   460

<210>   2661
<211>   91
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051d10a1

<400>   2661

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tattatctac tgccaggaga gtcttgtatg c   91

<210>   2662
<211>   434
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051d10d1

<400>   2662

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acaaaatagg aggaagagga gagaaacaca cagagtaaga gacgtggaaa gttatggata   180

ttagacatat tataagggca acgctcaaaa aacttccagc atagagcagt ggaatgaatt   240

acttaggcct tctaccactt gaggggtttg accacttccc atgtgaagtc agggtcttct   300

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cttccaaagt gtccataggc agcagtcttc aaaaacctgt tatttacacc cctcttgaga    360

tcaaggttga tggagatcat accaggcctg aaatcaaagt tttccttcac aatgttgaga    420

atttccttat catg                                                      434


<210>      2663
<211>      576
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051d11a1

<400>      2663

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tcaatgtcac ctgtgcacca gtggcaaaac caacagtctg tgtcagaggg ttcacaggta    120

cccgtacagg aacatccttc aacatctaat actgatcaaa atttgatgag atcagatgct    180

aagtttagct atgaaatgtc tgttaatgga caaactcttc atagagacta tctggatgct    240

cacattcagc aaggcgagga ggcacaaact gtgatttctt caggaacaag tgaaacacag    300

gtttctcagt cagtcgataa gactcaattt gttgcttccc aacaagatca aagcatgcaa    360

caaatttctt cacagttctc tgaggcttta cgattgaact cttttgaacc aaatggtgaa    420

cataaggagc agaattctg tgccattatc taataatgaa ccagatgtcc aagttttatt    480

ggctgagcaa gcaacttctg ctggaaatgc attatctgtc acaagccatt cagttaatca    540

taatgaaatg atccagagca atttcactgg attctg                             576


<210>      2664
<211>      448
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051d11d1

<400>      2664

ataacattaa ctttaatttc catttaactg taaagtaccg tgtgaagtat tcatgccata     60

atgttttttct tcttttgagg gtcaagtcat tatctatcct aattctgatg ccggacgtca    120

cattccacaa atatatattc acgccactgc cattcatcat ttcaattttc atccagtcta    180

tggcatggaa tggaaacggg tctctatcgt cattaccaga gactccatca gcaataatgg    240
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1003

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tgcatcatta tatgattata ttgatgatga taaacattgt gtcttgcact ctaatcttaa    300

caaagcttta tcctgttctt ggagttggat ccaaccaatc ccgttatgcg ttatcgtgtc    360

ccgtgttggc ccccccactt gccagttgcc accaaagata tattccctgc aaaacaaaca    420

ctagaaacaa ttattaatag cataaaaa                                       448
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<210>     2665
<211>     583
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220051d12a1

<400>     2665

gaagcacaca agactctctt atcccttgga aaagtttcac tcagatgttg ctggcagaag    60

ctttcacaat gggcgtttta ttcagaggat gagagagaag gctgcctccc tttccaatgt   120

acgactggag caaggaacag tcactttcct acttgaagag aaggggggtta ttaaaggtgt   180

gcactacaaa acgaaggata gtcaagaatt atcagcttgt gcacccctta ccgttgtttg   240

tgatggctgt ttctcaaact tgcgccgatc tctttgtaat cctaaggtag atgttccctc   300

tcatttcgct ggcttaattt tggagagttg tgaacttcct tatgctaatc atggccatgt   360

catactggga gatccttcgc cagttctgtt ctatcggata agtagttcag aaattcgttg   420

tctggttgat gttcctggtc agaaggttcc atctatttcg aatggtgaaa tgacaaatta   480

tttgaagaca gtggtagctc cacagattcc acctgagctt catgactcat cgtagctgc    540

agtggacaaa ggccacatta ggacaatgcc caacagaagc atg                      583
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<210>     2666
<211>     479
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220051d12d1

<400>     2666

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acccaaaaat acagataatt cgccagcttt atgtgcaatt tgtgtcccat tcaaattatc   120

ttcaatacga gtcaagggaa taaacccctg ttctatggtt tccagataaa cgatactctc   180
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aaaagtactg gtacgagtaa aaataccctc ttctttaact tctgttatta ttctgatgga   240

gtgaagctcg ttcataggta tttcgagaat aatacgacga tttttttccag gaaatcccca   300

acgaacaaaa cgtacctttt tcccttttttt attgaagata tcaaaaccac cacctatatc   360

ccaaaaaata atcgacccaa aataaaaact actaaagaga cccgcgattc cataaaaagc   420

catcgtggcc ccttgtggaa taaatggaaa ataaataaag tccggaataa aagaaaaat   479

<210>   2667
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e01a1

<400>   2667

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acgaggggca ccctgacaag ctctgagacc agatctccga tgctgtgctc gatgcatgct   180

tggagcagga ccctgacagc taggttgact gtgaaacctg caccaagacc aacatggtga   240

tggttttcgg agagatcaca accaaggcca acgtggacta tgagaagatt gtgcgtgaca   300

catgcaggaa cattggttat gtctctgatg atgtcggtct tgatgctgac aactgcaagg   360

tcctcgtcaa cattgagcaa cagagtcctg atattgctca aggtgcgcac ggtcacctca   420

caaagaggcc tgatgagatc ggtgctggtg accaaagtca tatgttccgc tatgccactg   480

acgagactcc tgagctcatg cacttgagcc atgttcttgc cacgaagctc ggtgccaagc   540

tcac   544

<210>   2668
<211>   552
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e01d1

<400>   2668

aatattaaac aataatttttg gcatcataaa ttcttccgga ataattatac aaaagtgacc   60

agggaaaacc cgatctgcca gttgcccact gaataaaaac acacatcata ttactatgtg   120

1005

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ttgtcataca tgcattgtaa tgagtggata ttccaaagca attggtccct ttatccctcc    180

ttaatcctta tgccgtaaat ggcaccatcc cttgtaaatt gtaattgctt cttcagaaat    240

agaattatac aaaggtagtt gcaatatcta tttgccaaac tataaatgta aagacccttc    300

ttcccaatcc tagtagtgtc ccaattgtat ttacaaaggt gggacaagat atgtatatac    360

aagtacaacc atgtaacata atgtaacaat aatcatactt tggtctttac tagtgcacat    420

tacagggagt tattatgcac tgaaacccct ttgcagagaa ctccagggat tggaaggaat    480

actgacacac gcttgtgctg aagcctcagc catctggtca ttctttatcc ctacatcgca    540

gatgtttgca ag                                                        552
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<210>      2669
<211>      385
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051e02a1

<400>      2669

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gcggaatgaa agagtatcat aaaatgggta cctcgattca ctatacgtac cttatatata    120

tcatggggat atctatctag attcttgacc cgatcttata tgctgatccc tattgcatgc    180

tagtatcagg agattgacta taatggacta caatgactat atgtccatac ctagcatata    240

agaagtctag tgataataga taagccaaga tatctcatac tatgatatac ccgtgcgtta    300

catcaaagaa gttctggcta tgccttatta ttattagtca acgaaatgaa acaatggaat    360

tgaaataact cactcagaac gccct                                          385
```

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<210>      2670
<211>      503
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051e02d1

<400>      2670

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tgaaatgaga aacattgatt cataacctgc ctgaaaatta agatactatc ccagaaagat    120
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agttgacaaa actgataaaa acactcccct gaaatgaact cagtctaact aaacaatcgc   180

ctgagacttg ctaaggatca ctccctcata tttcacctgg aaccacttca tagcatcctc   240

ctttgtgaca cggtgctgga ttccaacacg ggacttgcac cttcggcgac gtcccacacg   300

atagccagga cgctccagaa caactaagaa gtccattcca taaataccag ttgaaggatc   360

atacttgatt cccaaatcga tatgctcctg aatgccaaag cccaagcaac cagtatcact   420

gaagttcctt ctgagaagtt catattcctt cacctttaaa ccactttcca acagatgcat   480

tgccttgtca cctctgacag tga   503

<210>   2671
<211>   567
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220051e03a1

<400>   2671

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gcatcttgtg ttgtgtccct cttttaagct atttccttct cttaacacaa ttggttgtgc   180

caattgccat agtcaccaac caattaacaa aggtatatat atcatcatat catcaccaaa   240

tgaaaaatat tgggttgttt tttcttgtgg tggtggctac ttttgtggtg gcagccacag   300

ctggtagctt ttaccaagac tttgaaataa cgtggggtgg tgagcgtgcc aaaatctatg   360

agaatggaaa ccttctcaca ctctcccttg acagagcctc tggctctggc tttcgttcca   420

aaaaagagta cttgttcgga aaaattgaca tgcagctcaa gcttgtgcct ggtaactctg   480

ctggaacagt aactgcctat tatttatctt ctctgtagcc tactcatgac gaaatagact   540

ttgaagtttt gggtaacttg agtggtg   567

<210>   2672
<211>   566
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220051e03d1

<400>   2672

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tctagagata tatatagaca gaaatatccc aagcaacaat tctagtaaaa ttaacctggc  120

ccagtaatat tatttactag tatttatata atacaggcta tatatacgta catatatata  180

gccaaaccaa gtattaaccc aaatttgcag aaaaagcaaa gatggatccg ctaattgatt  240

gatgtcagtg gtaagcagga aaagcattgg ctccaacaaa gcatgtcctc ttcacaaaac  300

gacctttcat tctaggcctt ttctctgcgt tcaacttcct tacttcatat cttatcttct  360

ttgcaaacaa acgagtcctt ctcttctctc tataccttga cactcttgct tctcttccac  420

catctaggtg ccctcttaag cttcttactt tcccacctac accactcaaa cccaaggaga  480

agtcataatc agaattgaac ttaggtgggt ttgaagttgt ccatggagaa gaaccttggc  540

tagaccgcag taataacctc atcata                                       566
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<210>      2673
<211>      574
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220051e04a1

<400>      2673
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gcacggtggg gacgaccatg gttagagacg atctatgcat caccgttccc agcttcttcc   60

ggtgccctat atccctcgac gtcatgaaat cccctgtgag cctctgtacc ggcgttacct  120

acgaccgttc cagcattcaa cgctgggttt actacgggga catcacctgt cccgccacca  180

tgcaggttct ccaaaccaga gatttcgttc caaccgaac  cttacagagg ctcatccaga  240

tctggtctga ctcggtcacc ctccgagtgg actcgcccga gtcacctacc tccacccagt  300

ccgaatcagt cctctccaag gaccaaattc tcgtcgccat cttcgagttg cagactcact  360

gcgcgaaccg cttcgactcg ctcgccaaaa tcgcgcgttt cgcgcaagat tccgaggaga  420

acctcgattt tctcgttaga accggatgct tcgtgccggt gcttggttgc tttctcgaca  480

atgtcaatga cggcgtcgaa attctcggac aggtcgttac ggcgtggatt atgttgtcag  540

aaaaatggaa gattgcgagg gctcgaaaat ttga                              574
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<210>      2674
<211>      357
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<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220051e04d1

<400> 2674

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cccggatgtc tctggacccc cacctccttt atcactgaac ggtcatttac gggccttaac 180

agaagaaccc ggctgtagac cccgcaccca caaagggcat aatttatccc ctaaaggccc 240

ccccaagacc ctcgctcatt taaggccaca cctagccctc acagccagac ccccaaaacc 300

cccccggtaa aatggataac ccccccgac caaaaattct aaaaacctgg ggtaccg 357

<210> 2675
<211> 551
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220051e05a1

<400> 2675

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tgtttcagct ttctctgttt tttcggcaca aacagatttc ggctgttttt aagtatggcc 120

ataaagacaa tggaactatt gaaagggtgc cgatcacagg aagagataat ggaagtgctt 180

tctgcagtgg cttcggattt gggggatgtg atcgatgatg tgaacacctt gcaggtgatt 240

ccactgaatg gtgcattgac caatgaagtt tttcagataa actggccaac caaaaatgat 300

ggtgaggtca gaaaggttct gattcgttta tatggggaag gtgttgaagt tttctttgac 360

agggaagaag aaattcgaac ctttgagtgc atttcaaagc atggtcaggg tccacgcctt 420

cttggccgat tcacctctgg cagagttgat gagtttattc atgccagaac tctatcagct 480

gctgacctac gtgaccttga agtttctgct atgatagcat ctaagatgag agagttccat 540

aatcttcata t 551

<210> 2676
<211> 392
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220051e05d1

<400>   2676

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aaccagatat gactatctca cagggaatca attgaccatt aaatgaaggg gaggaaaaat   120

aaagaaaaga aaatgatgaa aagcagcaaa gccaatatat aagcactcca gtcataaaac   180

aacatagtac acggtaacaa acaacatatg gtcccatcta tccaggctct tgtatacatc   240

tcaaatgatg aagaatcaca tcataaatca attttcggag aaaaaccttc catcaataac   300

agtctcactc tgcatctgga tattacctaa ttgattcatc tgccagctct gatgaggggc   360

aacatgttcg tgcgaaggag tgtagtgctc ca   392

<210>   2677
<211>   464
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e06a1

<400>   2677

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cttcttcaaa taccgtaaaa ccttcaagaa tccaccactt tcaccaggtc ctagaggcct   120

tcccataata gggaatcttt aatcaaccta gattagctcc tttctcttca tgagcagcta   180

tggcatctct caaagaaata tggtccttta ttttcccttc aatttggatt aaggccagcc   240

atagttgttt tctctccaaa attggccaaa gaggtaatga aagacaatga ccttgagtgc   300

tgtggacgac ctaaattact aggccaacag aaactaacct ataatgggtt agacatggga   360

ttttcctcat acgataggta ttggagagaa atcagaaaaa tttgtgttgt ccatgttctt   420

agcttcaaac gtgtccaaag ctttacctca attagacatt ttga   464

<210>   2678
<211>   312
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e06d1

<400>   2678

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aaaatggggc aaataactgg gtcaatttta ttaaaaagtc ttccccccaa tcgttaatcc      60

atacccaatt ttgtagcggt ttaacaaacc cccttcaatt tgaaattttt agttcttttc     120

attttacaaa cttgggcatc ccttttttggc aaatctaatt atttccacag tttaggtcct    180

ggggaaactg ataagccatg aattatgcct gattttgatg gatttggatg ctaaaattca     240

actggtccat gcctcacgaa attgttagcc ggaattttgg gcctgtaaat tgcccaaact     300

acctgatcag cc                                                         312


<210>      2679
<211>      444
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051e07a1

<400>      2679

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acaataagtt gtgatgatta atgtagccga ggcttctttg aactttccct tgtgactgtt     120

tagtatcatg gttgcttatt gggaataatt tcgttgaacc ctgatgttgg tagtaagtat     180

ctagacagtt gcatagcggt tttgtttaca gaataagata tagcctctct gaacagtttg     240

attattgcac catggtttgc aatcggtgca tgtcgaccaa gtttctcaag actgtggaga     300

agcttattct tgttccagtt cttgaatcca agttgttacc gtattctgtt attattgact     360

tagaatcctt aacctttct gctgttatct catgatcgtc actcgcaaat gaatcacatt      420

tcaaacttat aaaaaaaaaa ataa                                            444


<210>      2680
<211>      372
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051e07d1

<400>      2680

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tgccgtgaca tgtctagatc tcaagtcaag caatgccact gctttgccat agggttcttc     120

tatggagaat tcaacagctg ttaggaaatt catttcattt ccccgtttcc cattgtgtct     180
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cagttcatag tctagctttc ttccgggga aattctcacc cttttgttgg caccagtaag   240

ctcaaagaga tgaccatcat ttgtagattt gtttggaagg tgaaacaacc aaagattctc   300

caaaatagac catccatttt ccataaactc agcaagagtg cgagtttcac cagatttcat   360

gaggccaaca ac   372

<210>   2681
<211>   568
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e08a1

<400>   2681

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ctttaccaag tggaatatgc aatggaggct attgggaatg ctggtaccgc aatagggatc   120

ttatcaaaag atggggtagt gctggttggt gaaaagaagg tcacattcaa actgctccaa   180

acctcaactt ccaccgagaa aatgtacaag attgatgatc atgttgcatg cgctgtggct   240

gggataatgt ctgatgccaa catcctaatc aataccgcaa gggtccaagc ccaacgctac   300

acatacgcct atcaagagcc catgccagtt gagcagttag ttcagtctct ctgcgatacc   360

aagcaaggtt acacccaatt cggtggtctt cggccatttg gagtttcgtt cctatttgca   420

ggatgggaca taaactttgg ctttcagctt tacatgagcg accctagtgg aaattatggt   480

ggctggaaag ctggagccat ttggtgcaat aaccatgcag cacaatcaat actgaaacag   540

gacttacagg atgacatcac atgagaag   568

<210>   2682
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e08d1

<400>   2682

gagacaaaaa gtgagtatcg ccattataat tgctactgat ataggttaca atatgagatg   60

ccaggaacta ccatgacata tacttgtaag atatatcatt ggatatctgc aacatagta   120

taacttactt ctgccagaaa ttcgctttcc tgctttagaa ttggcttaaa ataaaaataa   180

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ccgtagaagt taaatttcaa ttaaactaac tacttctacc agaaattaaa gaaataaaaa    240

acattgcaaa tgccctactt ctattgaaca cggttctatt accaaccatt ttttttaaat    300

catgacatta aaaacattta gcacttgcct atgtacctga gatggtactc actaaccttt    360

tctattacaa aagatattct aaggagaaaa aaagatagat ggaagttata acaagaggga    420

aaggttgtta tgcattcttg agcactttct gtggatccct ctgttgctag ggagatttca    480

atggtccaat aatgg                                                     495


<210>      2683
<211>      560
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051e09a1

<400>      2683

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tgcagaagtt caaaagattg aaaacttgtt aacaccagag gaaaagcgac ggaatgctat    120

aatgttcgac ttgctctttg tgaattcttg tcatcctctc tctgcgtgca taagtacact    180

tgacaacaag tgtaaaaaca tgcccaacag tgaacgggct gtggtcaagg aaaaaatcaa    240

tcccaaagaa agggatacat gcagtggtgg aatgaatggt tacatatcct tatgtggtgg    300

agaaccttgc cctcctatct ttaggtctcc tgttgcaagc atgaagata tcatggacaa     360

tcatgttata tgtgcaatat acagactccc agatgcacat acacacatta cccgaccacc    420

tcaaggagtt aaatttccaa aaaagattgt tggaattgag gatttaaaac ctgaacctgt    480

tttgtggcat gaagattcaa gcaggaaaca ccatgctgaa aatgggagga aaaaccctcc    540

aggatctatt tttgtcggga                                                560


<210>      2684
<211>      427
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051e09d1

<400>      2684

ggtgctggag ctctttgagc tctagatgaa attttaaagt ttaatcgcca aaatgcttgc     60
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caacacaact tattctcata cttacatcaa actattctaa caagcataat taccaaaacc 120

aagcaacgta caattcctct tataacaata gagtaggaca gggggataaa ttatctattt 180

atttgacatt aaagtgaaca tcagtacagt tgactttgta gcaccctgat tacaggttct 240

tcattcattt gactctgaat ttgaaaccat acatgagtag ctacatgtct tgctttggct 300

tccggctcaa ttctgagtaa tgaccaccca ttagctgcaa aatctgcttc cacaaacttt 360

ctgaagaatc tgataaagcc ccacaaagca aacttgggct acatgcagct tcataccaat 420

aatctga 427

<210>   2685
<211>   540
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e10a1

<400>   2685

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gtgctacctt caaaaactgc tattgcccct gttaatccaa cattttgcc caggtctgaa 120

gatgaaaggg agatgtgttc aagaacaatt ttattgcaca atattgaca agaagcttac 180

tcaagccgat gtcaaacact tctttgaatc tatttgtgga gaggttcaac ggttgaggct 240

tcttggagat taccatcatt caactcgaat tgcttttgtt gagttcacag tggctgagag 300

tgcaattgca gctctaagct gtagtggggt gattctgggt tcactgccca taagggtaag 360

tccatcgaag acaccagttc gatcacgtgc tcctcgccct actatgcact gaatcaactt 420

tccatgtttc tggggttgat tgctgctgag atatatttac atatatatat atacatagaa 480

acagctgtgt tctaaggaac atgtggcatt tagttggtac ttttgtcctc atgtcttaca 540

<210>   2686
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e10d1

<400>   2686

aggacaaaag gaaaaggcac caaattcaat ttaagtggac actttaactc aaaattatag 60

aggaagacag tccaatatga aaaatatagt aaaatcatct caaacttggc atcttctctt 120

tgcacctaag acattgagaa ttctaagaat gttacacgca agtcccatca caacttctag 180

cacttggatc agcacaacct tcaggaacag aaatatttac ttgccaagtt tgctttgcct 240

ccaattcaag attggaagaa agttcccctg ttaatagcat cctcgttagc atttccaagt 300

gcagcctcgt tcaagtactt gtcagccaat tggactctct tgacattctc ttgttcttgg 360

acaagcatgt taccatacgt caagagcttc tccagagtca tcttgggctg ctcaaaggtt 420

ggaggtccat cttttgagtt cacaagcttc ttcccaat 458

<210>   2687
<211>   573
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e11a1

<400>   2687

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ggtaaggaag agagtaaatc tagcgaggag agcgtgaagc tgttcgtagg tcaagtgccg 120

aagcgcatgt cggaagacga aggtgcttgc aattgttcaa ggagctcgct ttggttgacg 180

aggtcaacat catcagagac aaagccactc gtgcctcccg aggttgttgc tttgtaattt 240

gtccgtccag ggaagaagcg dataaggcgg tcaatgcatg tcataacaag aaaacgctcc 300

ctggggtgag tgagtgggct tcggtcccgc acgcatcttc attctttgct tttcagaacg 360

ttcagagtgg aatggatttt ttttttcttc ttttaaccct ctggtttatc aggaaaaaga 420

tgacatgatt aatgcagagt tcagccagaa gaaaaattaa gcctgaccaa taattatttc 480

tcccaaagat ggaatgaaat gttttgaatc ctagtttgga atagcagaat gagtggctgc 540

ttctataaaa gtcgctgatg ctgaccacca cca 573

<210>   2688
<211>   343
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e11d1

<400>   2688

aaggaaaaaa gggaaaggcc ccaaaataaa ttaaaggggg cccctttaac caaaaaattt   60

aaagggagac cccccaaaa gaaaaaaaaa aaaaaaacct tcaaaaaggg ggagtccttt   120

tttgcccca aaaacttaga aaatgaaaaa aggggccccc ccaggcccaa aaaaaatttc   180

aaccctggga acaaaaaacc ctttagggac aaaaaatttt ccacgcccaa attggtttcc   240

cccccaatga aaaaggggaa aaaggtcccc cggaaaaaac caacccgggg ggaattccaa   300

gggccgcccc ggtcaagcac catgcacaca aacgggcctt tta   343

<210>   2689
<211>   98
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e12a1

<400>   2689

gctaccttct cccaaatccc aagctacaac ttactttagt gatggatgaa ccaatttctc   60

tgtggtagcc agacatattt gctaagaaat tggttcat   98

<210>   2690
<211>   373
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051e12d1

<400>   2690

aaaaaaaagg gccaataaca aaacaacaa taaaaaaaaa acccaaggag gggcaaaaaa   60

gggccccgct aaaaaaaaga acccgatata caaaggggggg aaaacaaaag aaggattagg   120

cattagggaa aaaaaaaatg gcggcgggaa agttaaaaaa ggggagacat cacagggggg   180

aaccagggat gaacatgggg gaacaccaag caatacaagg gggaaaaaca aaggggaaaa   240

gggggccccc caaatccct taataagggg atctaggagg gcccaagggg agagaaaaat   300

ttagaaccgg gcacctcata tggatatata ccgggcttcc atgaaaaagg ggaaactgcg   360

caaaaaaggg gga   373

<210>   2691
<211>   547

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051f01a1

<400>   2691

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caccttcgtc atccccactg acggcccacc ttctaaagcc caaaaggccg tcttccaggc   180

cctcccggac tccatttccc acaccttcct ccctccggtc aatctctccg actttccacc   240

gggcaccaaa attgaaaccc tgatctccca caccgtcctc ctctccctcc cttccctccg   300

acaagccttc cactccctct ccttcacata caccctcgcc gccgtcgtcg tcgacctctt   360

cgccaccgac gccttcgacg tcgccgccga attcaatgcc ttcccctacg tcttctaccc   420

ctccacagcc accgtactct ccatcgccct gcaccttccc accctcgaca agcaggtcca   480

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gactttt   547

<210>   2692
<211>   567
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051f01d1

<400>   2692

aaaattcaac ttacttctta aatacatggc ttttcccacc atcgtgtggg gataatgtat   60

aaatattata gtcatacagc tgcagctttc agggaaagaa aatctgaaat tttattggta   120

taaaagtctg gctgtatgga gttgttaggg ctctgaagca tggccagtgt ggtgacccct   180

gagagcacaa gaagagtttc gcaaccaaca tggctcccac catctataat ttttcgtatt   240

ctaaaaggtt ttcagagtca ttcaattctt caaaatcaaa aagagagtca tccagttcca   300

acatccttgc tttccactcc acagctcaat ggaatgctca ttataaagcc accaaagaaa   360

ctaacaaact gatggtactt gatttcacag ccacatggcg tggaccttgc aaactcatgg   420

acccagttat ccaagagttt gctggaaatt acacagatgt tgacttcatc aagattgatg   480

tggaggagtt aacggaagtg tctcaagcac tccatgtcta ccaattgcca acattcatac   540

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tcgttaagaa aggcaagttg ctgatag                                           567


<210>      2693
<211>      506
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051f02a1

<400>      2693

gtcaactacc actggtcact tgatctacaa gcttggaggt attgacaagc gtgtgattga    60

gaggttcgag aaggaggctg ccgagatgaa caagaggtca ttcaagtatg cctgggtgct   120

cgacaagctc aaagctgaac gtgaaagacg aattaccatt gatattgctt tgtggaagtt   180

tgaaaccacc aagtactact gcacggtcat tgatgctcct ggacatcgtg actttatcaa   240

gaacatgatt actggtacct cccaggccga ctgtgctgtc cttattattg actccaccac   300

tggtggtttt gaagctggta tttctaagga tggacagacc cgtgagcatg ctcttcttgc   360

tttcacccta ggtgtgaagc agatgatctg ttgctgtaac aagatggatg ccactaccct   420

caagtactct aaggctaggt atgatgaaat cgtgaaggaa gtctcttctt acttgaagaa   480

cgttggttac aacccagaca agattc                                         506


<210>      2694
<211>      274
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051f02d1

<400>      2694

aaaattaaga acatttaata tattatactt tgtcaaaaat gtattgtcat cttttagttt    60

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ttactgttat tgaatatcat gtcaagtagt tcaacaaact ttagcccaaa aggaatgtgg   180

gaagataaca ttttttttg tgtgtacgcc ttggaaccta tgatctcatg tattctatcc   240

caagtttccc accactaggc caacccagtg ggtt                                274


<210>      2695
<211>      600
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<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220051f03a1

<400>        2695

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aaaatataaa caatatctag ggtttctctt tctcttttgc attctctctg aattcgtatg   120

ccatggagtc acccggtaac gagcatgtgg tgggtggcgc agaacccaac gacgtcgtta   180

cgcccttttc ccacagagaa gaacctcaca attcccaacc cctcaccggc gacggtgcca   240

gtcccggaaa gatatttata ggtggtttag cgagagaaac gaccattgcc caatttatca   300

agcactttgg taagtatggt gagatcacgg attcagttat catgaaggac aggaaaactg   360

ggcagcctcg tggattcggg tttataacat atgcggatcc ctctgtggtc gataaagtca   420

ttgaggaacc tcatgtcatc aatggcaaac aagttgagat taagcggacg ataccgaggg   480

gagctgttgg ctctaaggat ttaggacana gaaaattttg taggtgtatt ccttcaatgt   540

gactgaagat gaattagaga ctccttacac gctaccgcga aattaagatc accaataatg   600


<210>        2696
<211>        596
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220051f03d1

<400>        2696

cacacaatca gaatacataa gttgaataac ttcaagagct atacattgct aatcaataca    60

aagaagaaaa tccataacat aaaatgtttg aacattggca ttcataattg ggaaaggtca   120

accaatccta gtaccaaacc tgcatttcac aattgtagca cttttcattc tcaacctctc   180

tctgacatac attttttcgt catcatcttc acttttacca caaggatagg agcccatacg   240

cactgagcca cctttccctt aactttcacc agaggagctt cccctgatca aggagccacg   300

acggttgcca ccaacaatca catctttgag tcgatatatg ggagcaagca ccctgctcct   360

cgcctcatca tttatactga tttgccattt aagttgtaaa gctctttcct gctgccagcg   420

ttgaccaagc attacaagac ccatcacagc agctgcaatg aagacagacc agaatgcatt   480
```

tgcctctttg gcatgagcat ataaggaggc agctctccgc ttccaccaag cttcacaagg   540

aagatctgag gagttgtatt cattatcttt gggaagagag tttgacaatg atagat   596

<210>   2697
<211>   556
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051f04a1

<400>   2697

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ttttggtgtt cctgaaggac cagaattcac tgttgggttg gatgtacctt tgagcgagtt   120

gaaggtggag cttcttaaag aaagtgtgtc catcattatg ctgactggtt taggtggatc   180

aggaaaaacc actttggcta caaagctttg ttgggatgaa caagtcatag gtaaattcaa   240

ggaaaatatt ttatttgtca ccttctcaaa aaagcctaag ttgaagatta ttgtagaaag   300

actatttgaa cattgtggat atcaagtgcc tgagtttcaa agcgatgaag atgcagtcaa   360

tcaattggga cttttgctga ggaaaatgga tgcaagtcct atgttgctgg tcctggatga   420

tgtctggcct ggctcagaag ccttagttga gaaattaaag ttcagatatc agattataaa   480

attttggtga cttcaagaat agcattccat agaattggca ctccattatt ttaaaacctc   540

ttgttcacaa tgatgc   556

<210>   2698
<211>   461
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220051f04d1

<400>   2698

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acagttaaag ttacaacgta caggaaaacc aattcaattt aatttctatc tcctattttt   120

ctaattgatg aacgaattaa atgtaactcg agtcccctaa cagtaagtcg agcatgtcat   180

tggaagtgag gagagttgtt ccaccaacaa gcaactctat atcaggtctt ccactttcac   240

ccaatgcctt atgagcttca cgcacctcga gtccattaat gcccccaata acaaacacca   300

1020

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aaatgacatt ttgatcggca agacttggtt tggcctgacc aaggccaaat cttccaaacc    360

cacttttaaa caagcgcccc acagtggaag aatgatattc taacccaggc acatcgtact    420

tgcccaacac ccttngtagt agcttataag taatcctttt c                        461


<210>       2699
<211>       520
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmf102220051f05a1

<400>       2699

aagaaaacaa aataataatc tggaaaaaat ataaaaatcg aaaatttggg gaatttcaat     60

ttcaatttca gggattctat tagggtttcg aatcgccaag agattctcaa accctaatcc    120

ctcaattcgc cctcgtgatc ttcgatatct gtgggacgaa tcgattgttc ggtggcatgt    180

cggttgagat ccaagaaaat gtccaatatg tatgatggcg tgtgacaatt gggggaattt    240

tggtgtgggc gtttgttctg ttgattttct atggaaggca gaacagaaaa ctccaatgac    300

actacatgtc ccaagaaatc aagatcactg gatcttaaaa gtctatataa atcaaaatgg    360

acagaaaaca cggcaaagac gaacttaaag aggatcggca atagtagtgg gggtggtgat    420

gagaagagga agaaaaaaaa ggctagaaag gaagtctctt taagtagctt agaaaatggt    480

gatggtagca gggagttgaa gttagggttg agtcaaagat                          520


<210>       2700
<211>       292
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmf102220051f05d1

<400>       2700

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gtttttgaca tttgcagtcc acgtgaaact gtaaacatct ggtaaaccaa tataataact    180

cataaaaatg ttataaaact taggagttcc agctagaaga accaattaaa actgagcttt    240

acagcaagca caatccctgg tttggctcaa attatttcag cttcacagct tc            292
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1021

<210> 2701
<211> 533
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220051f06a1

<400> 2701

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tcatccactt agtggcagtg ttgtctctct gttactaccg catcacccac ttcttcctcc   120

aacctccaac agcgccatgg cttttcatga ctgctgcgga gcttcttctc tcgctgctct   180

ggttcttcaa ccaagccttc cggtggcgac cggtgtcgcg gagcgtcatg actgagaagc   240

tctcgagtga ggagaagctg ccggggcttg acatcttcgt gtgcacgctc gatcccgaga   300

aggagcccac cgtggaggtc attgacacca tcatctccgc cgtgtccatg gattacccct   360

tcgacaagct ttccgtctat ctctccgacg acggcgggtg cgacgtgact ctctatggga   420

tccgagaggc tgctgaattc gtcaaggagt gggttccgtt ctgtaaaaag tatggtgtga   480

agtcaaagtg tcccaaagtc ttcttctctt ccttcgcgga tgaggatcaa gag           533
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<210> 2702
<211> 416
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220051f06d1

<400> 2702

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caatcttatt tctcagtatt cacgtaccag atatccttac aggtgtgcta tatataagat    60

gaacgccagt attctattgc tgctagtgcc actgcatagc atagtagcaa acaactttac   120

tatggctctt actagttaca atcccttcag cctttacata catgtaatca tttggaactt   180

tatttctaca ttctggtgac ttatagcgac aaaggggtgt agcctagcaa gtaatatcca   240

taaacatcaa ccatctactt gtgtaaactc tagagcattt gcatcgggat cacgtgcaaa   300

gattgctggt cttccagaat gactaaatgt gtaagggatc cccgctttat caaagattgc   360

tttcagcttg gaaacattac gaatcgcaat acacgtgaga cgatcttgac caccat       416
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<210> 2703
<211> 483
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220051f07a1

<400> 2703

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tgctttttcc ttctgttgtt gcttctagca cactttcatt tgggcataag ccaacttgag   120

ctgaattact actctaaaag ctgcccaaaa gctgaagaga tcatcaagga acaagtcaca   180

caactatata acaagcatgg aaacactgcc gtttcgtggg tcagaaatct cttccacgat   240

tgcgtggtta agtcatgcga tgcatcatta ctgttagcga cggagagcga tgtagtgtcg   300

gagcagacat ggatagaag ttttgggatg agaaacttca agttcgtaaa cactatcaaa   360

gcagcggttg agaaagaatg ccccttcaca gtgtcatgcg ctgacattga tgctctttct   420

gccagagatg ccattgctat agttgggagg acccaacatt gaaatgaaga cagggagaaa   480

gga                                                                 483
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<210> 2704
<211> 488
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220051f07d1

<400> 2704

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ggattataat gaaatcggga tttaatgcag atcaaaaaga aggaaagcaa tggcatgatc   120

atccccatca atgaaacctg tatagaagga tacttcaatc aattatggtc atgaaagggt   180

cacgtaggag gaatttctgg tttttcggtt aacatctttg agggtttcaa cttccatacc   240

aacggatcct tatcaaaaag gaactaagta tcttaagcaa tgaactaatc aatatctggc   300

aatggtgttt tccaataatt ccatgagttg tagtcctcct gctcgaccaa agaagttgga   360

ggaaacatgt cattgacgag ggtatgtaat gacgtatacg actttgcacc aatacggtga   420

ctaatagcta cctcaccctt acggttgata aataatattt tgcccttcgg gactccaatc   480

tttctgga                                                            488
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<210>        2705
<211>        467
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmf102220051f08a1

<400>        2705

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aaatggaacg aatctgggag agcgataagg agaagtatta tgagactgtt gttgctctaa     120

tgtctgatca agaagaaggg gatttgtatt tagataaact gaagatactg acttctaaag     180

agtcaaaaac tgaaaacacc caatactact ttgttagctg gccagataaa aacatagttc     240

aggttacaaa tttccctcat ccatacctc agcttgcatc attgcagaaa gagatgatca     300

gatatgaaag aaaagacggg gttcaactta ctgctacatt atacctacca ccaggttaca     360

atccatcaac agatggccct ttgccatgcc tggtttggtc ttacccagga gaatttaaga     420

gcaaagatgc tgctggacaa gttcgtggtt ctccaaatga atttgct                   467


<210>        2706
<211>        456
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmf102220051f08d1

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acacaataca gtgacaattt acaggaaaaa aacaaataca ttttaaagca gaacattggt     180

tctgaaacta tcaaatttac tgggggcttc cactgtatca aaaccagacg gaccaacctt     240

agttgtcatc atttatccaa ctggtttcat cttctactag cttgtagatg ctgaaatggc     300

tgaccctgat cttccactct cctttagtgg gatcatatga taaaaattca gcaccttggg     360

cctcagcctt tctcttgagc atctccttgg atttctcaat cttcggtcct tctgtatact     420

gatggccagt ttttttgtcg aaacatttta tgttga                               456
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<210>   2707
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<223>   Clone ID: jC-gmf102220051f09a1

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ctcaacagag tttcctcacc aaagctttga atttcttatg gcaatctgga gaatcagggt   180

accaacacgt gtggccggat atggaatttg gatgggaaat tgtgttgggt acttttgttg   240

ggttttgtgg tgccgcgttt ggaagtgttg gtggagtagg cggaggtggc atattcgtcc   300

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tgatcatggg tgcagctgtg tcaactgttt actacaacct taagctaagg catcctacgt   420

tgaatatgcc catcattgac tatgatttgg cacttctcat tcaaccaatg ctcatgcttg   480

gcatcagcat tggagtggtc cttaacgttg tatttcctga ttggattgtg actatattgc   540

ttattggtct cttcttaggc acatcaacaa aagcattctt taaaggggtt ga   592

<210>   2708
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220051f09d1

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agatcaaagc tcaatgcaac accaaggatg ccacaaaacc ctcttatttt gaaacctatc   180

ctatattaag cctctacagg agcaagagct cgcagctctc attgtacctt aatccactgt   240

tggctgaaac ccaaccataa taataatata aagcacaaac ttcaaaggaa cgaatgattt   300

ttgctcaagc atcatcaaga gcaaggacac cagggagttg ctttccctca gaagctcta   360

agctggcacc accaccagtg gagatgtggc tcatcttgtc tgcaagtcca accttcttca   420

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<210> 2709
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220051f10a1

<400> 2709

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agtcaacaag cctcacaagt cccgcttttt ttacaaatct tctcgcaatc ttcataaaac  180

ctctgtcaag gacagactcg caatcgcaaa atcagagcgc aatgtcggca aaggagctcg  240

tgcagctcga attcagagaa ataaaatgat acgagatcaa aaaagagctg ctgttttgaa  300

agaaaaacga gaactcagtg ggtcgagaag tcctcctcga gtgatagttc tcttcgccct  360

ctgtgcgtct gtggatttag aatcacttgc tgatgatctc ttgtcattat tatctaaaga  420

tacgtgtgtg gtgctgtcag gaaccgttgc ttcttctgaa tataggacan gaattacggt  480

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<210> 2710
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<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220051f11a1

<400> 2710

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agaaagcaac aatcttcatc aatatacttc atcttgttca cctcagctca ctccttcctt  180

catcttcttg cagctcttct accaaaggtc ccaaaacaaa agcatcatta gaagtggtac  240

acaaacatgg gccatgctcc caactaaatg atcatgatgg caaagctaag tctacaacac  300

cacacagtga cattctgaac caagacaaag aaagggtgaa gtacattaac tcaaggctct  360

ctaagaactt gggccaagat agtagtgttg aggaattgga ctcagctacc ctaccagcca  420
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aatctggtag ccttattggg tctggaaatt actttgtggt tgtgggtctt gggacaccca  480

agagggactt gtcactcatt tttgacactg gcagtgatct cacttggact cagtgtgaac  540

cttgtgctcg ttcttgctac tagcagcaag atgtaatatt tgatccattc agtctacatc  600

atattccaat atacatgtc                                               619


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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051f11d1

<400>      2711

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tcttaagggg gcccttcgat aatttcgcac gtgaggagtt atttcttggt ttcgtccagt  180

cattaataac ttgattattt ttaaataata gtagatagaa acaacactcg taaggagtcc  240

tattgaaact aagaaatata agcctgcctg ccatccacac cagaataaat aaagttttcc  300

gaaaaaacct gatagtggag gaagacctcc taaggataag agacataggg ctaaagagag  360

agccaaataa ggatctttcg tgtataatcc tgcataatct tgaatgttat cagttccggt  420

acgtagacca aatgatacaa tgcaagcaaa agttcctaga ttcatcgaga tatagaacag  480


<210>      2712
<211>      618
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051f12a1

<400>      2712

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aacatcatgc acctgtgact gtgattcaat attaatggtt tgtcaagggt attaagaaat  120

ttgttccgtt aaaaaaatat catgtattag aaattgaggc taagaataat ttataaaaac  180

ttttttaaaa tcatctaaat tattttaagg acaaaattgt gcatgaaagt aaaataaata  240

aaaggcacaa taccttaaat gtgtaagcct aataatatga aggacgcgag tttagaacat  300
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tgacactagg aaggctaagc catacatgtg agctgcaata ccgcaagagc ttctagcctc 360

tttaccttta ttgggaggtg ttattctagt atactaaaag tgtctcacgt cttaccagaa 420

ttgaagttaa aaaatttaaa caccttctt tctttaaaga caaaaccatt agaccttcat 480

gagagttaat gtggacaaca ctacactcga gtgagattat atatttctta ttgaaaataa 540

aaaatacttt accaaataat atcatgcttt aaatctttta agatttaatt acacatttaa 600

tctctataat ttttaaat 618

<210>   2713
<211>   464
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220051f12d1

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tttattaaaa taatatataa tttatattaa atatagaata tcttttatat ataatttatt 180

tacattatta ttaattttta tatttaaaaa attatttcaa atatttgata ataaaaatag 240

ttttgttttc tttgttgtta aattaattaa attttttaat ttttttttaa ataaattgac 300

tgaattttta tttaattttt aaaaatacta gattaattaa ttttatctta atattttgat 360

taattttaat attgaattaa attattaaaa aattaaatat ttttaaattt agttgtttat 420

ttttaatttt tataataatt gaaatatttt tttttatttg ataa 464

<210>   2714
<211>   569
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220051g01a1

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gccgatggcc acgatcggag gcttacacga ctcccaaggc tctcaaaaca gcgtcgaaac 180

1028

cgaagccctc gctcgattcg ccgtagacga acacaacaag aagcagaatt cgcttctgga   240

gtttgctagg gtggttaggg cacaggaaca ggttgttgct ggtaccctgc atcaccttac   300

tcttgaggct attgaggctg gtgagaagaa gctctatgaa gccaaggtgt gggtgaaacc   360

atggctgaat ttcaaagaac tccaagagtt caagcctgct ggtgatgcac catcgtttac   420

ctctgctgat cttggcgtca aaaggatgg tcaccaacca ggatggcaat ctgtgccaac   480

acatgaccct caagttcatg atgcagcata tcatgcgatc aagaccatnc agcacacgtc   540

taattcacta gtaccctatg agcttcatg   569

<210>   2715
<211>   499
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051g01d1

<400>   2715

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aagcaaaaat tttccaacca tatcaagcta ctgagaccta aatttgtgga tacggtgaat   120

actccaaaga catcaatgcc aaagccagaa atctcgatac ttccacatct taatttgaaa   180

atgtaaaaat gacaaaggaa gagtgtacag gtaatttggt gtattgttta agaaaccttg   240

cctctaccat acaaagcatt aagtccttaa cggacacatt ctactgcagt tgtttaacag   300

ttccaatgat gcttgctgtc ctaccctaaa gccccgtgga cctactgtcc catgttaggg   360

ggcggaggag gaagacggac accctgaccc tgcataggtt gggaaggaaa accttgggga   420

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<210>   2716
<211>   636
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220051g02a1

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tggctttccc cactgtattt ggagctgacc atgaagttgg tgacactagt ggatgggccc   180

tcggagttaa ttacaacacc tgggcctctg gaaaacttt cacagttggt gacactttgg   240

tgttcaagta tgactccact catcaagttg atgaggttga tgagagtgga tacaacagct   300

gcagctcaag caacagcatc aagaactacc aagatggaaa ctccaagatt gaattgactt   360

caccaggcaa aaggtacttc ttgtgcccca tttcaggcca ctgtgctgga ggcatgaagc   420

tgcaaattaa tgtggctgct gctagtggga ccccccaac aaccccaagt ggcaccccac   480

caaccacccc atcaaaccct tctncttcnt ctccctctga gtcaggatcc accaacacca   540

ctttaccacc aaagcctagt ggagctgtac tggtttcagt ggcattggcc ctttggtggg   600

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<210>   2717
<211>   566
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220051g02d1

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cttaattaat ggacaaaagc taaacttagc tcaatttctt ctatcccaag catttgagtt   180

tcaagcacag gcaaatttcc atcttatgaa gtttattttg cacacatgta tcggagaata   240

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catcatatta atttttggga ccgatgtcct tcagtgaaca gatctgttct tctcccattg   360

cagacataac agaaaccaca agatctttc cttcagaaaa tccatcttta atctgagcaa   420

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gactcacaaa gccgtcttca gagatatcaa taagctgata gtcagtgcga ttcacatgtg   540

gaacatcaca ngtgtgggat gatgga   566

<210>   2718
<211>   635
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051g03a1

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agacaatgcc aaagtgacag aactttccca caaagaagc accagaagta aacaagccag   180

agcaacaacc acctttcatt cccgagactg aaaacagcta tggcctatat ggtcatcatg   240

atgagtctaa ccaagtcccc tccaccaccc cgacttctta ccacccctac aagaccaagt   300

ttgagaactc caacaacaag tactacaaca atgatgccta aacacaagg ttctccgaaa   360

ccagttacaa caacaacaac aacaagtatt acaacaagga ttcttatgag ggtaaccaat   420

atgagttaag tgacacaaag tacacagaag aaggatacaa caacaagtat cacaactcct   480

atcagaacaa ctacaacaac gatgctgcca atgacaaata cttctacaac aacaacaaca   540

acaacaaaaa ttacaatgct cacaataaca ggtacaatac ttacaacaac aatgctgtta   600

gcaggtacaa tggtgagagg catggaatga gtgac   635

<210>   2719
<211>   590
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220051g03d1

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atccggagtg gagggtggga gaaagaatct gaagaaatac aaaaagccta ggcttgaaga   180

aatataaaag gtgggataat tcactgggta gttttctcc caaaatcttg aaactcatag   240

gtaaatacac aggcttgtgg agaattaaca atgcggtaga aatataaaaa atttcagctc   300

ccttatcttt cccttatctt tcttcacata catggttatc cagctgcgaa aggcttggcg   360

atgtaaagtt ccattccact cacaggagtg aaaatgatct atttagtgag aaaatttgtg   420

ttcaatttcc accatgtaca aaattttctt agaccgacaa taaccactaa ccactggcgg   480

aattaatctc tgaccccaat aagttgaaag acaatcatga tctctgaccc aggattaana   540

agaaatacat ggtcatccag caacagaaac atgaacatta tacctggaaa   590

<210>   2720
<211>   551
<212>   DNA
<213>   Glycine max

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ataatcggag ttggcataac aagcagcggc tactcattca cgcgggttgc acgtgtacac   180

gctacccgat ctggattacg actatggcgc actggagcca gccatcagcg gcgacatcat   240

gcagctgcac caccagaagc accaccagac ttacatcacc aactacaaca aggccctcga   300

gcagctccaa gacgccatcg ccaagaaaga ttcctccgcc gtcgttaagc tccagggcgc   360

catcaagttc aacggcggag gtcatgtcaa ccattctatt ttctggaaaa atctagctcc   420

tgttcgtgaa ggatgtggtg aaccacccaa gggttcactg ggatgggcta ttgacacaca   480

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tggatggttg t   551

<210>   2721
<211>   297
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220051g04d1

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aaaatccaaa cctccgaggg gcaaggggg gaaaccccga gggaaaaaca actatatggg   120

cccggacggg gaacaggccc aattgctcca acagaggcca catgaaaacg gtcgtgcaaa   180

cgagaaactc cccccttggaa ccccctgtgat ttatcaaaac gcccaagggg gggataaaaa   240

gattcacatg gccagcatat gggggtggaa ccctcccatt tgtccctgtc aagaaaa   297

<210>   2722
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051g05a1

<400>   2722

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caggagggaa gtggtccaac caccgtaact ggatctcttg ctggtcttaa gcctggtctc   180

catggtttcc atgtccatgc cttgggggac actaccaatg gttgcctctc aactggatca   240

catttcaatc ctaataacaa ggagcatggt gcccctgagg atgagaatcg tcatgctggt   300

gatcttggga atgttaatgt cggtgatgat ggtactgtca gcttcactat tactgacagc   360

cagattcctc tcactggacc aaacaacatc ataggaaggg cggttgttgt ccatgctgat   420

cctgatgatc ttgggaaagg tggtcatgag cttagcaaaa ctactggaaa tgctggtggc   480

agagtagctt gtggtatcat tggtctgcag ggataactaa tcacatgaag   530

<210>   2723
<211>   339
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051g05d1

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aatactgtcc gctgtttcaa tagattattg cgcttcattg tggatcaatg atgctacaat   180

tttccgtata atttactaaa acagcgatct cattattgtt catcttagac taaacgctca   240

ttagatgcat cattgaccat tgggctttaa gaagacgtat tataaaagta cctatgatat   300

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<211>      601
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051g07a1

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aatttcctct tcccttggtc aaattttttcc tcttttctat ctatttttt ctattaaaaa   180

aagatattcc aacagtatat cctaattatc ttgtatgtgt attcctcctg ccctcccttt   240

catttctatt ttatggatta ccttcttgca acatgcctct gttattggaa aattggttgt   300

tgatttactt gcagctgatt actaatgtat tttctttctg tcttctggac tctacagcat   360

caatttgatg ctggtaagtt tactactttt tttgataaat gttattatgt cttgggtaat   420

tggggttatt tttatattgt gcatgcatat ctgatcttgt tctcctccca cccaaaaatc   480

ttctgtgtat gatcttgttt aaacaatatt gtaaatgtt cacgcttatt agtttccttt   540

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t                                                                   601


<210>      2725
<211>      402
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051g07d1

<400>      2725

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tgtttccatt tcttttgcta tcacggcctc tattgcgcat accccaaagt ggtcatgtat   180

cattattctt ctcacaaata ataaaacgaa atcctggtat atggtgcttc agcgttggaa   240

gatcttgaca acaatataca aagagacaat caactcacca gttgcttgct ataagaaata   300

tcataaaacc tatcttgact tttctttct tacgtgccac agaaattgta gaccaagatg   360
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tcactgttgt ttcaaaaggg aatccatggc ctctgccact tt   402

<210>   2726
<211>   585
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051g08a1

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caaaatcacc tgcgccagtt gcttctccca cttcatctcc tccagcttca tcccccaatg   180

ctgcaaccgc aacccctccc gtttcgtctc ccacggtagc atctcctccg tctaaagctg   240

ctgctccagc tccagcaacc actcctccgg tggccacacc tcccgcggcc actcctcctg   300

cggctacacc tcctgctgtg acaccagtga gctcgccgcc agcgccagtt ccggtgagtt   360

ctccaccagc gcctgttccg gtgagctctc cccctgcact ggcaccgaca actccggcac   420

ccgtggtagc acccagcgct gaggttcccg ctcccgctcc caagtcgaag aagaagacga   480

agaagagtaa gaagcacact gcaccagcac cgtcgccggc attgcttggc cctcccgctc   540

ctacggtagg agctcctgga tcaagccagg atgcgtcggc ttctg   585

<210>   2727
<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051g08d1

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tttactattt agtcatataa gggagaaagg gaaacagtat gtggtggata atatcagggc   180

catcataacc tacacaactc tgaacaactc ttcataaata tcactgactt aaaatgcaat   240

taggccttcg atttcttccc tttggcttca ttagatggtt ggctcttgaa aggcaggaaa   300

gtctttccac ccatgaatgg tctgaggact tctggtatct ctaccccatc ttccttctgg   360

1035

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ttcagttccc aatcaagcaa tttcagtttc catgggacat ccatccctaa agaatcattt   300

tgcaactgtt ggtcagaata tgaatgttgc tactgtgaag caaccactac tcggaggaat   360

acctgttacg gtgcctcatt cagttcatcc cattgttggt gctgttgctg gaatgaccga   420

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ccaaaatgtc tttcactgca accaagtttt taatcttctc ctctccctct cacttccacc   180

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aatctgcttg tcacaaaaga ggaagggttg gaactctatg aagacatgat attagggagg   420

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aaagaaaaag ataattaaaa acggctgatt agagagactc cacatcatcc acctattccg   180

tgtccatcat ttcctttgtc aacgagcatt tgatttatga cgaaactctg ggattcatag   240

agtaagatta tagcatgttt tgttttcaag ctggcaaaca tattactgtc tagagcgctt   300

taagtacacc aatacgctaa tgctcgttag aacaacaaca cctgcaaaaa taccagaacg   360

1037

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tggtgaatgg gatccaaaat ggatcttttg ctaccccgtc ttgggattcc aatgatttat 180

ggaatagatg cagttcatgg ccacaataat gtctacaagg caaccatttt tcctcacaat 240

gttgggctag gagttaccag ggatccaatg ctgataaaga agattggaga tgcaactgcc 300

cttgaagtta gagctactgg aattcaatat gtgtttgctc catgcattgc ggtctgcaga 360

gatcctagat ggggacgttg ctatgaaagc tatagtgagg accctaagat tgttcaagca 420

atgactgaaa ttattcctgg tttgcaagga gacatcagtg acaatttcag aaaggggggtt 480

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gttgcaaggc atagccaact aatctcagaa tgaagaaaaa atgacaaatc ttggaggctg 180

aaacacatga attgaattga tggattatat gaagattcta ggagcacctg ttcatcattg 240

atctgtgaag tgatcaatca actttaggcc tagcagcttg aagcatctca acaatgagag 300

tcttcacatc ctttctatct tctgcacatc gagggaaagg tacacgaagc ttgaaagtat 360

1038

cacccctgata accagcctta acattgaaac caagactatc caaatctagt atgaaggcaa   420

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gaaaacaaag acaaaaggtt ttcaaaaact ccatgattat tcaaattctc taaaaaacag   180

taccaagcag tagtagtgtt ccctctactt aatcaaccca caggagagga cctctacaaa   240

gaccctgttt aggcttgggt tggaacaaca tcaaaaaaga gaaagcaaac tttcttttct   300

cttttgtaga tcgagatcgt agaaattaag aaaggcatga atagaggtgt tttgcaaagc   360

tcaccggtgc aacaaatgat ggccagaaac cctaacaact ggtggaacat caacaccatg   420

cgccctcctc ctccttctta agcttctgca cctttcttct ccactccttc caactttcta   480

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tattaaccaa cacttgagtt aatttgtttt taaaagaacg agaacactgt tctatgacaa   180

ttacattttt tgaaattcat gaaacttttt gccaatgatt tttatgatca taccacagtg   240

gctatgccac tgtatcttgg tcttgttctg tcagtctcag gtgaaaggcc ctgttccatg   300

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acgactatct ccatcatttg cctactatag cttggacggt caaattcacc cagtggttga   180

gttttttctt gaacttggag tgccaaaaga gaacattctt actatcctca ctaaaagacc   240

tcaattatgt ggaatcagtc tatctgaaaa tcttaaaccc accatgaagt tctttgaatc   300

tttgggtgtt gacaaaaacc aatggccaaa ggtgatctat cgcttcccag cactgctaac   360

ttatagcagg ccgaaagtga tggaaagcat agattttctc cttgaattag gcctctcaga   420

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ttttaccaat taaacaaact gatcagctag gctttgcacc ttagacaaac tgattaaggt   180

actcatccac agtgatgtat ttcacatcag gatatagagc tgaagcttcc actccaaaag   240

aagactcaat ttcaaagtta gtatgatccc cctttacata agaagagtgg ttaattgaca   300

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acgacaaggt attagctggt ggtctaatgt agagaatttt gttcaaggtt cttggatcat   480

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<210>   2738
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<223>   unsure at all n locations
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ctgctactgc tgctcaaccc acacaccacc ctgggagcgc aaaaccttat gctaccctac   180

cataacggcg ccctcctcaa aggaaccatt accgttaacc tcttatggta cggcagcttc   240

accccaatcc aacgctccat aatcctcgac ttcattaact cgttaagttc caccgcgggg   300

gccccacttc cctccgtagc atcgtggtgg aagaccacgg acaagtacag gggggggatcc   360

actacaatcg tcctagggaa acaaatccta gaacaaactt attccctcgg aaactacctc   420

aacggaacac aactagtctc tctctcctca cgcttcgacc acctcaacgc catcaacgtc . 480

gttctcacat ctagcgacgt angggttgac ggcttctgca ggagccgatg tgggacccac   540

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1041

accaaaaaac ccaaaaaggg ggccccttca aaaaaacccc cccccccctt ttttttgcggc   180

gcgcacttgg tgcaccccac taaaacccc caaaaaaaat agatacgtgc gccaaaaaac   240

cccccgtga agcgctccaa aaaaagcccc ccccccacg ggggcccaac cacccctcc   300

gggaaaaacc caccctctgg ggg   323

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gcagcatatc aagaggattt aaaagtgagt tccgacaatg gcaaattatt cctagcttat   180

gtgaagcgtc accagtcatg gccaatcagt tctctatttt tataagtaga gagggaggaa   240

acaaaaattt tgcatcagtt ttggctcctg gccagcatga aggtttagga tctagcagga   300

aacctgatga tcagggcata tcatcatggg gttggaatct aagtggccag cactcaacct   360

accacgcttt gtttccaaga gcttggacag tttatgatgg tgagccagac ccagaactaa   420

aaatatcgtg tcggcagata tcaccattcg tacccacata atatagagaa agcagtctac   480

cagctgctgg ttttgttata cgttggtgaa cact   514

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tgttaatatt taaaattaag atattaagac ggttaagaaa gaaagcaatt actactagga   180

attaaaataa ctcaaaatca agacaagtaa aacttgtgga ctgcatgcag gttttttttc   240

gtatatatag attgcatatt atttatgtac ttgtacacca aaagcataat tatctagact   300

ttatattatt aaaaaaagta atagtatgca aggaagaatt taattttaaa tgaattgaag   360

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ctaatcattt taaatttttt tctttctttc ttactctcaa gtttataggt gagaatggat   480

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ttatcatagg tgcggcactc atcagtctct ggattgtcct tgcagtaatt ttcgagcggg   180

tcagactgct tctgcttctc cctggcgtgg ctcgccgccg cgctcagctc ctccacctcg   240

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gttggtatag aagtgacaat ccaaccgcac tcttaacgtg gataatgatt tcatttttga 180

atattgataa cctagtcccc tggagtagtg ttaatattct ttttggcagt gaacacacag 240

tccactgtca agttacctag ttaatgaagt gaagggttat aatttgatcc aaaggaatct 300

gccaaggtgc agatgatgtg gagtttttat gttcttcctt ttggtaagtt tcagttcttg 360

gaggagtcaa atgctgaact gcgttttaag gttggagtgt ctattgattg gatcagtata 420

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ctatttactg cttgaggctg tcaagtcccc agtgccacct tataagtata ttgtggattc 540

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ctaagacatt gagaatgcta agaatgttac acgcaagttc catcacaact tctagcactt 180

ggattagtac aacaaccttc acgaacagaa atatttactt gccaagtttg ctttgcctcc 240

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ccatgctccc aactaaatga tcatgatggc aaagctaagt ctacaacacc acacagtgac   300

attctgaacc aagacaaaga aagggtgaag tacattaact caaggctctc taagaacttg   360

ggccaagata gtagtgttga ggaattggac tcagctaccc taccagccaa atctggtagc   420

cttattgggt cttgaaatta ctttgtggtt gtgggtcttg cgacacccag agggacttgt   480

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gaaaaccaag gggcacccga acgggaccac ccgagccgca gccaccgtct tgggagcgga   180

cgcgaaccca aagaggcccg gcccaaccgc ccttaaaaga agcacgcccc gcccgagggg   240

cacagggggc cccccagct gggggagatt aaacccgacc attgggggcg agtcccctgg   300

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<210>      2747
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<223>      Clone ID: jC-gmfl02220051h07a1

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catggatgtt agcagagcct tcacagttcc aactgaaatc gatgaagtat caattcatca   420

tgaccatgtt cttcaagatg aaagctgcac tgtaaaagtg aacaaattga aggacaatat   480

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cgccataagc cagggattga acaaaccaac ataaaggctt acaaaaggaa ctttgcttaa   180

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1046

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aatattagtg aaggatttga aagtgtttgc tacatttaat gaagaattgt tcaaggaaat   480

cacacagctt cttacattgg aaaatttcac ggaaaatgag caattgtcta gtatggtga   540

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cacaggaaaa tagcgcctaa gaccctaaca gacacgacac gtaagggaga cgtaaaggac    180

acatcaatgc tactatcaga catataccccc tcaacacgat ctcaccacgg gctgctggcg    240

aaccggacga ccaagcgcag gagggccaat ctctagccca ggatcatact acgggccgag    300

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<223>   Clone ID: jC-gmf102220051h09a1

<400>   2751

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aagtggagtc gcgccatggc gatactgaag gagtttgagg acaagtgtgg gaccccaatt    180

gtgaagctta gacaagtggc tgatgccatg gatgttgaga tgcacgcagg tctcgcatct    240
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gaaggtggta gcaagctcaa tatgttgatc agttttgtcg ataatctccc aactggggat   300

gaggaaggac tctattatgc actggatctt ggaggcacaa acttccgtgt ccttcgtgta   360

catttaggcg ggaaagacaa aggtgttatc ggccaggagt ttgaagaagt ttcaattcct   420

ccaaatttga tgactggctc ttcagaagca ttgtttgatt ttatagcagc agctcttgca   480

agtttgttgg ttcagaacct gaaggttttc atcctccccc tggcagacaa agagaactgg   540

gtttacattc tattcccaat gaggca                                        566
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<210>      2752
<211>      459
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051h09d1

<400>      2752

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aaatcaatca aatttcaaat acacactata cataatcaac atttagatac gcatgcctta   120

ctgcatcata attctgaatt cttcaatgct tagcacacca ttcccattca aattaaactg   180

tttgatcatg gctttgcact catcaatgga cttggactct cccatcttct taagcatact   240

tttcaagctc ttgggggtta taaacccaca ccctttagtg tcatacatct caaaagccac   300

cttcaagtca ttcaacttct gatcctctcc cccagcttcc ataagagcaa tcaaatcctt   360

caaactcagc aacccatctt catcagaatc caatgccgta attgccattt cagatttctt   420

catcaaaagc tccccaccca ttattcgaag cccgtgctt                          459
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<210>      2753
<211>      611
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051h10a1

<400>      2753

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aacgcggcga ggcgcgctcc gagccaccgt gaatctccga aagccgaaaa cgttgagcgg   120

tattctgaat ttcgggtgtt ccacatcgga tgcaagttgg aggagctgga atccgagttc   180
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gctccacagg aactcgtcct tcgcttgctg ctccgccgag acaacgccgc atgttcagca 240

cctcgcaacc tccaccttct cgattgacca gactaatttt ggtggcgaga ggttgaagct 300

gttttcgggg tcatgttacc taccacatcc ggataaggag gacacaggtg gagaggatgc 360

acattttatt tgcacagatg aacaagcaat tggtgttgca gatggtgtaa gtggctgggc 420

agatgttggt gttaatgctg gactctttgc tcgagaactc atgtctcatt ctgttagagc 480

aattgaagag gaacccaaaa attctattaa tccggctagg gttttagaga agctcactc 540

atgtacaaag gccaagggtt catcaacagc ttggatcatt acccttactg acacgggact 600

acatgccatt a 611

<210>   2754
<211>   465
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051h10d1

<400>   2754

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tatcaattga gacccaaaaa aatagaaaca cttttagcca aattgctaag ctaaaacaaa 120

cacgaactct aacactcggg ggccctattc caactagtgg cgccccaaca aattacacta 180

ccccactcca aatcaacata taagaaaaag aaccattatt ctatcccttt gaatgtggct 240

catcgtgcac tccaaattca aattcccacg tgcacatcca cgtacccaat ggacacacat 300

gcattttcac agccttcacg aatcacaaca acatcaagag aactcaagtg aaggcttttg 360

acgaaaccaa tgaataatcg tggccacttg ctcagcctca tgtttgtcgt gtattgtagg 420

atttgcagtt cggacacttt tgagccacaa aatggaactg aacgt 465

<210>   2755
<211>   556
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220051h11a1

<400>   2755

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cgatgacgac tcgaattgcg cccggtgtgg gaacccaatt tgctgggtca acacgccgcc    180

gagaggaatc aagacgccac tgcttatgtc ggcaatctcg accctcagat aagtgaggag    240

ttgttatggg aattgtttgt tcaggctggt ccagttgtta atgtctatgt tccaaaggat    300

agagtcacca accaacatca gggttatgga tttgttgaat ccgcagtga agaagatgct    360

gactatgcca tcaaggtgct taacatgatt aagctttatg gcaaacccat ccgtgtcaat    420

aaggcatccc aagataaaaa gagcttggat gttggggcaa atcttttcat tggcaatcta    480

gatcctgatg tagatgacaa ccttaaccaa attcaggact tatacatgag tgtcaccaaa    540

ttatacccgg agtcgt                                                    556
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<210>      2756
<211>      347
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051h11d1

<400>      2756
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gtttcgaggg ttgaggctcg tgcttgaatt gcctcaagtt ctgatgtcag attagataca    120

tcatcaaggt atttattggc ctgcgcttct gaagcgttac gcttctcatc taatgtgctt    180

atttgttgtt caagttcctg aattctgtat ttctctgctt ctagtaacaa ctccaactca    240

ctcacctttt tatcagtatc ttccaatttg gagtgagaac tctggattaa atcttccagt    300

tctcggctac gctgatggtt catactggct cggtctttat gctcagc                  347
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<210>      2757
<211>      594
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220051h12a1

<400>      2757
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ggctatctca tcttaccact tccaggtttt gcaaaggctt cagagcttga acaacttcac     60

tcatcatagg tctggagcct ttgcaaaacc ttaaagatat ggctatctca tcttaccact    120
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tccaggttgc gcgagtagat cgtactatgg ccatgcctaa aaatggtatg caagcacagt   180

tagcatcttt atcaaggaag ggtcaaccag tgaggatctt gtcaagtcca aaaggtcctc   240

atggttctcc atatcatcac tatatcaagt caccgaaacc taatggataa gaatcatgtt   300

tctctctttg atttgcttct ctattcattc agttccctca caacttaggc tatcaacaga   360

acagaaactg tttgtgtttt gaaaattgct ctgaaacatg aggaattact agagttttct   420

gaccttatct catctcaaat aaggttgggg ggaccatgag acagttcact ggattttaaa   480

gtttagcggt gaccaagttg accaaacttg aatagaaaac tagaacacag ttttcacatg   540

tggaatttgg tactgtggag ttgctatact ttttctacca tttcacatgc tttc   594

<210>   2758
<211>   461
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220051h12d1

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tactcatcta acaaaacagg aaatcacatc ctcctcatag aatgactact acaattatat   120

ttgtgaggaa ggttatctaa atctatacag ggatactgct agctgagaat cttcgttttg   180

ctatcaaaaa ctgccattcc cattttcagt gaattgccca aatctgtgaa gaaatttatt   240

gccggtatgg tacgacggaa cattgagcaa gatactcaat tgaccatcac cgtaaggcat   300

tcacgaatgc cgtcaatgaa tcaacatctc tcttttctga agggtactta attggttgag   360

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catattcctt ctgctctcca tcggctctga attttgcaac c   461

<210>   2759
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052a01a1

<400>   2759

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ctcaactggc cctttcttgt tccaaagttt caagctcttc tctctcaccc gttgcgggtg    120

gtggtgaatg gtctaaaaac tctcactttc gcttccgtta ctatgagaaa tcctaataag    180

cgtgatcatg gactcaataa cttgcaggtg cctgctgctg ctgtaaacgc accagatcca    240

ctcgctgggg tcatatttga acccttgcaa gagctaaaga aggaatatct tgctgtccca    300

attgcacaca aagagtgctt ggctcggccg atctatgctg acgagttcga atctgcaatc    360

aacgagcaga tcaatgtgga atacagcgtt tgctatgtgt accattcctt gcatgcgtac    420

ttcgacagag acaacatagc tctcaaggga cttgccaagt tcttcaagga atcacgtgaa    480

gaagagagag agcatgctga gaagcttata cagtatcaga aca    523
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<210>   2760
<211>   288
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052a01d1

<400>   2760

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ccgcctacca atatgtccca tcacataaat gattgcgtga cattaatact acggtcatca    120

tcccgcgggc tacgtgctca gactcacagg cgtgggccat aaggctaacc gggcatgact    180

accggggaac taatctacta tgcccgcacc tgtattgaat ggcacaagga tgtacttatg    240

ctcaagcttt acgccaggat cgcaacgtcc tatactacta caccatgc    288
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<210>   2761
<211>   566
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052a02a1

<400>   2761

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atgaagattg atatgcagca aacacaacgt atacaagagc tagtgaagga gctcaatact    120

ttagaccaaa gtctctcccg atctgacctt cactacaggg ataggacagc attatctaaa    180

aagcaaacta tgattcagga gcaactgcaa aacatgactg gattgagttc aattgggcag    240
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1052

gaatcactgc aaccagtata ttttgggaat gtcagaagga tataggaga taagcttcag   300

ttagcacctg ctcctattga tggtgaatgg ctttctaaaa gtgctgtcta tgcattagtt   360

gatctaatag tagttgtgtt tgggcgccca aaaggacttt ttaaggagtg tgcaaaacgc   420

atacagtctg ggatgaatat aatccaagat gagttactga agcttggaat tactgatggt   480

gttagagaag tggatttaca acactcttct atttggatgg ctggtgtgta cttaatgcta   540

ctaatttagt tttttgaaaa caaagt   566

<210>   2762
<211>   262
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052a02d1

<400>   2762

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aaagtcccat cacaaacaac atagaagggc acttaatact ccagacaacc acccacttga   120

aacaggtgga catacttaca aacctaggca ataagcaaaa ccggaattgt cttcggggga   180

actaatgaac aagaactaca tactggattg ataaggaaaa ggctttacag aggtgtaccc   240

cagctgcccg gatcactggg tc   262

<210>   2763
<211>   543
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220052a03a1

<400>   2763

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gaaccagctc aaggagcttc caccccagtt catccgtcca gccaatgaaa ggccagagaa   120

caccaaagcc atagaaggtg tcattgtgcc tctcatctca ctgtctcagt cacatcatct   180

tttggtgaag gaaatagctg aagctgcttc tgagtgggga ttttttcgtca taaccgacca   240

tggtatgtca caaacattga tccaacgttt gcaagaggtt ggtaaggagt tctttgccct   300

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ccctcaagaa gagaaagagg cttatgcaaa tgactcttcc gaaggtaagt ttgagggata      360

tggcacaaaa atgaccaaaa accttgaaga aaaggtggag tgggttgatt attttttca      420

tctaatggct cctccttcta aggtcaacta tgacatgtgg ccgaaacacc cttcttccta      480

cagggaagtg acacangaat acaacaagga gatgttaaag gtaacaaaca aggttttgga      540

gct                                                                  543


<210>      2764
<211>      452
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220052a03d1

<400>      2764

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tcaatacaat ttgattcctt ttatcatgtc agcacctcaa ccgatgatga tctcaccaat      120

tatatttcag caataaaaaa aaagcctaat aaaatatttt ttttcataa atttattcta      180

aaatctaaaa atgtcatgga ggggctgtgg catatcctac atgcaaatat gcttcctctt      240

acattcttac tcatcgcttc tatcataaat aggacacacc ctcctaattt cgttgttcct      300

atcataaata ggacttttct caagtagaag gaggaacttc ccaattcttt ggcacaggcc      360

caaaatcata gattatttct ctgtggcaag accatacaag ttttatagcc tctggtgttc      420

caattcctgc acctctagca tcaccagcgg gt                                   452


<210>      2765
<211>      567
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220052a04a1

<400>      2765

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accgagatgg atgcagaaac tgttgcaaat gtggttccac caaggagac tccaaatagt      120

gtttccattt ctcatcattc ctcacaccct cccttaatga gaggattatt tcatccatga      180

ccaggagatc tgttgctgca cacccatggc atgaccttga gataggacct ggtgctccaa      240
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ttatcttcaa ttgtgtgatt gagattggga aagggagcaa ggtgaaatat gaactggaca 300

aaaagtcggg gcttatcaag atcgaccgcg tgctttactc atcagttgtt tatcctcaca 360

actatgggtt tatccctcgt actatttgtg aggacagtga tcccctggat gtcttgatta 420

ttatgcagga gccggttctt ccaagttgct ttcttcgggc caaagcaatt ggtctcatgc 480

ccatgattga tcaaggggag aaagatgata aaattattgc tgtctgtgct gatgatcctg 540

agtttagaca ttacaatgat ttcaaag   567

<210>   2766
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052a04d1

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gatacttcag cgatacaaag aacttctaac aggttcttta atgtttatta cgccctttta 180

aaatgtaaat acgacctgga gggcatgcgg catggcctac gtgacactct gctctctgac 240

acattcttac ccatggctgc tatcgtaaca cggacccaca ctgctactat tgctggcgcc 300

attatacatt ggactatcgt catgttcacg gacgtacttg ccaattc   347

<210>   2767
<211>   569
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052a05a1

<400>   2767

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actacacaga atgtgaaggt gggatgatca atgcttctga tgtagctgag aaggaggact 120

tacaagatgg agttttgatg aacaatgacc cagtttctgc tgctttggat caaactatta 180

caaattgtgt tgtttctgct cctttgatga acaatgaaaa tgttgcttct tctggttgtt 240

ctcatgttac ttctgatcaa gaggacctct catgtaaacc gttgtctaac atggatggat 300

cttggggtcc aggatttgat ggtcgtttgg aggatggtaa cacattatca aagcatgaag   360

ttctgaatgg cattgaaatt tccaagagtg aggggcaatt ctgtccattt gacgatgctc   420

gagtatccaa tgttattagt cctctacgat cacctggtag acctgaagtt gttgatgagg   480

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ctgtgcagcc cgctgaatca atcctttag   569

<210>   2768
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220052a05d1

<400>   2768

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catttaacca taaacaaaaa ttgtctccaa gactttaaaa acattacatt atagacaaat   120

tagtcttcca cttcatcgtc cgtcaacacc tactgtaact gctggtgttg ctgcctaaca   180

agtatcatat tcactgcaaa catcttagta ggagtagctt ttgacgaaca actccttctt   240

ggcttcctcg gattcaccct caccagtgta cttcccaagc tgagcgagtg agttggactt   300

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agatt   425

<210>   2769
<211>   557
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052a06a1

<400>   2769

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ggcgggggata ctccttacag tatttatggt tgggcccata tatctgcggt tacagtacca   180

agaaagttca cgctattctt acctacaata acacaaacca cttgataaag aaggatgttc   240

cttgtgagac tgaccaactt actcatgttt acacatttat cctccgtccg gatgcaacct   300

acagcatcct gattgataat gtggagaagc aaactggtag tctctactct gattgggatc   360

ttctccctcc aaagacaatc aaggatcctg aggctaaaaa accagaagat tgggatgaca   420

aagaatattt tcctgatcct gaagataaga aaccagaggg gtatgatgac atcccaaaag   480

agctcccaga ccccgaagcc aagaagcctg aagattggga tgatgaggaa gatggtgagt   540

ggacaccccc taccatt   557

<210>   2770
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052a07a1

<400>   2770

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tgctatggca ccacagacaa agcttacgat aaattacacg agtcagcatt aaaacaagag   120

gaagaaatcc ctaatgttgt acacctaaca catctcacga cccctgaatc catatatcat   180

ctcaggcttg gatttgctta cttggcttct aagccttaca cgtcaaaatg gtacctttgt   240

ttgatgtggc cagtaacagc ttggtccatg atcctcacat gggtttatgg ccgtacattt   300

attgaggagg ggaatcgttt tgacaaactg aagttgcaaa cttgggcaat acccaagtac   360

agtctccaat acttcatgca atcacaaaaa gtggctatca acacaatgat agaggaagca   420

atactcgatg ctgacagaaa aggcatataa gttttgagct taggcctaag gaatcaagga   480

gaggaccttt acatctatgg aggactatat   510

<210>   2771
<211>   565
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052a07d1

<400>   2771

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tagacctttc aacaatagac ctaacatcca ccttgattat caacaccaat tgtatttacc   120

1057

atgccttgtc atctaacaat aaccttccaa atcctgctat ccaaaaaaat gtggggtttt   180

aggaaaagca attatgtgtc atttttgtga tgaccatgac ctggctgaaa atttgtgtca   240

ccccctttaaa cgaaagtttt atttgctagt gttagcagcc ttgtacattc ttggttaacg   300

acgataataa ggaagatttt ccgacttcat cttctttgat catccgattc ttgggattca   360

acattgttgg ggggatatta tgcaacccca taagtcctct gttagatgat ttaatttcaa   420

tctgtgtaga gaaaagtgct gaaacggggc gatgatcaga gaacttgctt tcactccgaa   480

aatagtgaag ttgctccact cctttaccat accatagaat tctatcacac catgctggag   540

atcttagatt tttcccggat ctact   565

<210>   2772
<211>   559
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052a08a1

<400>   2772

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tcaacagcaa gaagaagaga attggcacga ctgttcccag tacctctccc ccgacgagga   180

cttctccgat ctcgatcagt tgcaattcct ccgcctccaa ggctccgaca gaactccaa   240

tcgcattctc cgcatcgtcg gcaagtactt tcccgcaact gttgtgagtg cggagcggct   300

caagcggtat gtgttcaaca aaatttgcag tgagttgcct gaggggccct tctgtattgc   360

ttacatgcac agcaccgttc agaaggagga taattcccct ggcatcacca tcttgaggtg   420

gatctatgaa gaacttcctg ctgatttcaa ggacaggctt cagactgtgt atttcgtcca   480

ccctggcttt cggtcccggc tagtcatcgc tactcttggc cgcttattct agagtggagg   540

gtaactcatc tatcaatgc   559

<210>   2773
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<212>   DNA
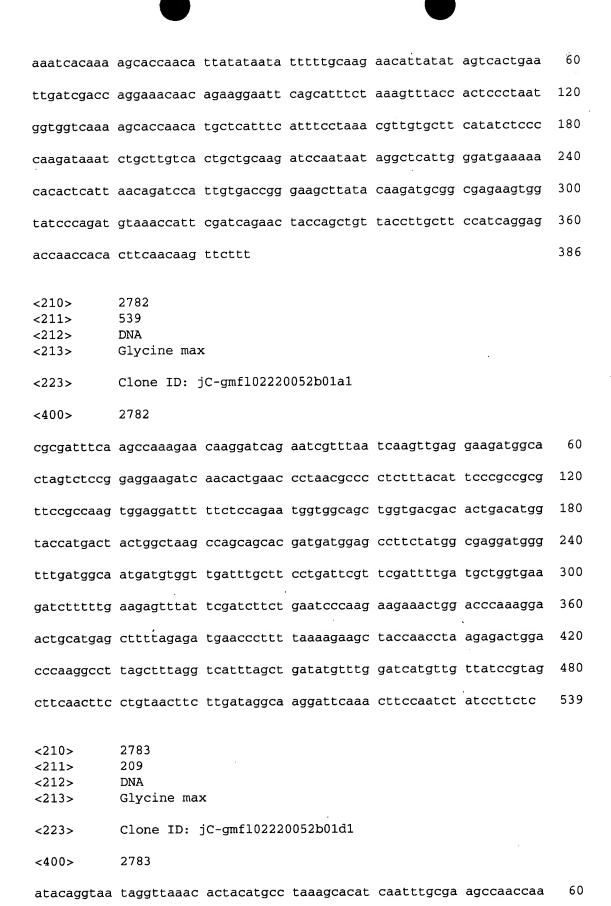<213>   Glycine max

<223>   Clone ID: jC-gmf102220052a08d1

1058

<400>   2773

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tttcatatat gaacattgtt gcctccttat ttcttgaata tgtggaattg gaatgccccg   120

aggaattccg atctcattca ctttggcttc aggataggcc tactaagaaa acaaataatt   180

cccttcata tatgaacatt tttgcctcct tattactcgc caatgtggaa ttggaattcc   240

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<223>   Clone ID: jC-gmfl02220052a09a1

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aagaagtact gcgacaaagg atgggaatgt aagggctggt caatttactg ttgtaacctc   180

accattaccg attatttcca gacctaccag ttcgagaatc tgttctccaa gcggaactcg   240

ccggtggcgc acgcggtcgg attttgggac taccactcct tcatcgccgc cgccgcgctt   300

tttgagccgg aagggttcgg caccaccggg aacaagacga tgcagatgat ggagatcgcc   360

gccttcttcg gacacgtcgg cagcaagacc tcttgtggtt atggagtggc cactggaaga   420

cctttggcct ggggtctttg ttacaatcat gaaatgagtc ctatgcagtc atactgtgat   480

gactacttta aactcacata cccctgtact cctggtgctg actactatgg acgtggagcc   540

atttccattt tctggaacta caactatg   568

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<223>   Clone ID: jC-gmfl02220052a09d1

1059

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gatttgacaa agcaaacttg caacaaact cggggggggga ggacctgcaa acaaaatacc   180

tcacagttgg gataaccagc ctcagcaaga acaaatggga ccgccgcaag aaaccccca   240

tcccaaacac tggtttggcc accgacccca aaccgaacac ctttcattcg gttacccccc   300

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<223>   Clone ID: jC-gmfl02220052a10a1

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gcaagaatga ctgggactca ggatgtgaat gtaacggctg atcagattta ctgtgggacc   180

tgagcattac ctgatattat catacctacc agtgggagaa tctggtctcc aagcggtact   240

cgacggtggc gcacgcggtc agattttggg actaccactc cttcattgcc gtcgacgagc   300

tttttgagcc ggaagggttc agcaccaccg ggaacaagac gaagcatatg atggagatcg   360

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<223>   Clone ID: jC-gmfl02220052a10d1

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acacgcaaat gttgcagcca taaacactag agatatacac atacaaaag ctgaaactga   180

caggaactac tttcaagaag acctgaatga aactgaatct ccatgaataa gagaaggcag   240

aaaaaatctg cttattgtat tctcacacta tttgcatcag gtatcttcca tgcaaaagta   300

gaaacaaatc catgtagcag caaaatgttg tgtacaacaa ctcacgtgat caacatatct   360

tgcattaagt gatatccaat tggatttcta tggcatgcca tgatgccaaa agatagcttt   420

ttgcaaatca taatatgggc ttcactaagt ctatccaccc aacatagtaa aacaagaaca   480

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052a11a1

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gttgtacatc agttattctt gcccctatgc acaacgtgtg tggatcgcta ggaactacaa   180

ggggctacaa gataagatca attcggtccc tattaacctt caagacaggc cagcttggta   240

taaggagaaa gtctaccctg aaaataaggt gccatccttg agcacaatg gcaaggtgtt   300

gggagaaagt cttgatttga tcaaatatgt agatgcaaac tttgaaggga cacctttgct   360

tcccagtgat cctgccaaga aagagttcgg tgagcaattg atatcccatg ttgatacatt   420

cagcaaagac ctgttcgttt catttgacgg ggatgctgta cagcacgcca gtcccgctt   480

tgaatacttg gagaatgctc ttggtaattt gatgatgggc cattcttgct ggccaattc   540

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<223>   , Clone ID: jC-gmfl02220052a11d1

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gctcttcttt tcactggtgg gggctctttt caataatagc tattaacttc agggatcaat   180

gccttcaatt ttggcttcca cttctgaata caactggctg agcttctcaa tattatcttc   240

tgaaggttcc caaaaaccac gtccattggc ttccaagaat gtctgcacca gtttcctgaa   300

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gttggctttt ttataccccc a   381

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<223>   Clone ID: jC-gmfl02220052a12a1

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tttgtccctg aacgaaagtt gtccatccaa ttttttaggg ataatttcat aatgtctccc   180

tttttttgttc gatatgtatg aaaccctgtt gggcatgcta aatgccctgt tctctttggg   240

ctctctgttg caaaccatct gacacagact tgggtgtatt tctggccaac tcacaggcta   300

taacctttga cactctggca cactgttgta tggtctgtat tatgttcacg tcaaagagat   360

cttttatatt actgactaaa aaaaaaaat tatttctaca ttaataat   408

<210>   2781
<211>   386
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052a12d1

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caagataaat ctgcttgtca ctgctgcaag atccaataat aggctcattg ggatgaaaaa   240

cacactcatt aacagatcca ttgtgaccgg gaagcttata caagatgcgg cgagaagtgg   300

tatcccagat gtaaaccatt cgatcagaac taccagctgt taccttgctt ccatcaggag   360

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<223>      Clone ID: jC-gmfl02220052b01a1

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ttccgccaag tggaggattt ttctccagaa tggtggcagc tggtgacgac actgacatgg   180

taccatgact actggctaag ccagcagcac gatgatggag ccttctatgg cgaggatggg   240

tttgatggca atgatgtggt tgatttgctt cctgattcgt tcgattttga tgctggtgaa   300

gatctttttg aagagtttat tcgatcttct gaatcccaag aagaaactgg acccaaagga   360

actgcatgag cttttagaga tgaacccttt taaaagaagc taccaaccta agagactgga   420

cccaaggcct tagctttagg tcatttagct gatatgtttg gatcatgttg ttatccgtag   480

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<210>      2783
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<212>      DNA
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gcgtgctcat acttatatcc ccagaccaaa agtgtaacct gactaaccta gcactgaact   180

tatgaacttt ccctgaatac cgtattgat   209

<210>   2784
<211>   603
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052b02a1

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aaaccgccgt ccacggcggt gaaactcgcc ttcgaatcca gagcctctct cggttcctca   120

ctcttctcac atcgagcgca acgccaaaaa atcgaatttc acgatggaag agttggagca   180

gtggaaggaa caactttctc acttcgctaa cctagctttg gatcgtcttc tcgaggttcc   240

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atcaatggag cctaatgaag gcacttttat tcttcacaac gagaaaacaa ggaagggcaa   480

gattaaacct gttcatgttc gtgatgttcc tgggcattct cggcttcgac cccaactgga   540

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052b02d1

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caatcttcca attcgtacta tcactaaaat gattg   95

<210>   2786

<211>   524
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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gtttacaagt tgtcaacctt tttcttgcac aaggaatgga ttatggagca gtgggataaa   180

aacttttaca tcacttctat tgcagggagc aacaatggca gctctcttgt ggtgatgtca   240

aaaggtacgc agtatactca caatcttac aaagtgagtg aatctttccc cttcaaatgg   300

ataaacaaga agtggagaga aggttttcat gtcacttcaa tggctactgc tggaagtcgc   360

tggggtgttg ttatgtctcg aaatgctgga ttcagtaaac aggtggttga acttgatttt   420

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<223>   Clone ID: jC-gmfl02220052b03d1

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tgtgttctac ctaggaacca taggcctcgg aacctgtttc tcagaagtaa attattctga   180

aaaataccgc tgtcatggca ggggctgtgc catatgctac gtgcacatat gcgaggctct   240

gacacttcgt acgaatatac tactattatg caataggaca cacactgcta atgccattgg   300

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<213>   Glycine max

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gtctctatgt tgacacccctt ttttctgttc tcagaccgga ccatgcaagc aagtatatta   180

cactactcac tcactgagac cgtgggtact aacatcgcca ccgttaccga cgctcaggcc   240

aagggcgccc gcgggcgtgg ccgtgcctac gtgaccttgc tagccggaaa cggcgactat   300

gtgaaaggag tcggtggctt ggccaaaggt gtgatgaagg tgaaaagcgt gtaccctctg   360

gtgggtgcag tgttacccga tgttgcgaac atcaccgaaa catggtgacc ttccaaggtc   420

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220052b04d1

<400>   2789

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caagaccggc accagaaaat tattaaacaa acaaagcaac aggcacatac ggtagagggg   120

gaatatatca cacactctca caactgatca caagacgtag gaacagcaga aacggactcc   180

ttatcaggat catggtgcac caagaagtgc tgaagtcgag cattgcccaa attcgaacag   240

ccactaaaag cacccaaggc cgatgaagcc actatcccat cggaggaccc actcatgtgg   300

ttgtcagcat gaagctcgga aaaacggcgc tcgaaatgga aaacaagcta cggaaacgcc   360

agtagaggag accctgatgg caaggtgaac cagagatcca accgtg               406
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<223>   Clone ID: jC-gmfl02220052b05a1

1066

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aaaaaaaaaa aaaaaaaaaa aaatctacct aacatccaca actcaaaact tctccacaca　　180

caccaaataa actaaaaaaa ccctacacaa aaaactaaa caaaaaaaaa aaaaaaaaaa　　240

aaaaaaaaaa aaaaaaaggg cccccccccca ccttcacccc ccccccccccc caaatataat　　300

tcccccccca ccc　　313

<210>　　　　2791
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<212>　　　　DNA
<213>　　　　Glycine max

<223>　　　　Clone ID: jC-gmfl02220052b05d1

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tataaccatg aacaaaaatg gactactaga ctctaagaac agcacataaa agacaaaaaa　　120

ggcgtcaaat taatcaaacg gaaacaccaa ctgcaactgc tgaagtggca gacaaacaag　　180

gatcagaacc actgcaaaca acacagcaag aagagacctg gacaaacaac tcc　　233

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<223>　　　　Clone ID: jC-gmfl02220052b06a1

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atgttgagtt ctatgctatt cccaaaggat cagttgtttt tcttaaggtg cccctattga　　180

gaattgaagg tccaattgcc gttgttcaat tgctggaaac accttttgtc tatctaatta　　240

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aggaggctcg tgatcatgca cgtttgcgta atgcatattt tgagcaggca cggcaagcct   240

accttgttgg caacaaggcc cttgcaaagg agctaagtgt taaggggcaa ctgcacaacg   300

tgcatatgaa agcagcacat ggaaaagctc aagaatctat ttatcgccag aggaatcctg   360

ttgctccaga gaatggaaga gggccccaaa gaatgataga cctacatggt ctgcacgtta   420

gtgaagcgat tcacgtgctt gaacacgaac tgagtgtgct acgaagcaca gcctgagccc   480

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052b07d1

<400>   2794

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aatttaacaa aattaacata ttatcataac caaaacaaaa gaaggcatta ctgaaactct   240

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ccaatcacaa acaaaaaaag atggcaatcc actcagtctc ccttcttcct aaaggagcat    300

ccctcggtta gccttgcccg gccaccggtt ggttgacaca agacagtctg gcagtttccg    360

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ttaacattca tgaagaaaga g                                              441


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<211>     570
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<223>     Clone ID: jC-gmfl02220052b08a1

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aggccgggcg gttctctccg agccggggga gcggtcggac cgccgcgcag cggctcagct    240

ggatgttcct ctctgttctg cttcgacgac agggcgtttt tctcttcgct cctctcattt    300

acatctccgg aatgctcctc tacatgggaa cggcgtcgtt cgacgtcgtt ccggtaatta    360

aacaccgtcc cgcgcctggc tccgtctacc ggagccctca gctcttcgcc aagctccgtc    420

tcgacatgga ttccgataat tcctccggcg atgcgatatc tacaatatgg aagtatccct    480

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<210>     2796
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<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220052b08d1

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gaggggcact aatactacct aaattattac caggacaact aggggtttga tgctctaggg   180
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gaaatctgat aacctggctg ggccaacacc attctgattg agcctttagc cgtcaattac    240

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gtaatgaccc tgtattcggg tgcctcatag agggacttg                            339


<210>        2797
<211>        587
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220052b09a1

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caccatcggc gacctgaaga agctggtggc ggctcagacg ggcacaagag ccgacaagat    180

ccgtatccag aagtggtaca ccatatacaa ggatcacatc actctcaagg attacgagat    240

ccacgacggc atgggtctcg aactctacta caactaaaca caaggtgtgt tttatgcatg    300

atatattact atgatctggg aatgggatga ggcgccaaat gtaattttga cttgcgaaag    360

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ccctaagttg ctttgttata tataacctat ctgatgactt gttgctaagc tttattaatc    480

tgatcggtgg aagtgtttga tcatgtccaa ttgctatatt aattatttga tcttcgctac    540

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<211>        546
<212>        DNA
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<223>        Clone ID: jC-gmfl02220052b09d1

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gtaagcatac aaaactacaa tggcatggta catacatata ataattgaat taccaattca    180

gaatttgatg gctctcactt ccacttgttg gcaacaatgt cagccaaatc cacaaccctt    240
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tgggagtagc cccactcatt gtcataccaa gcaatcacct taaccatgtc atctcccatg   300

accatggtca acgatgagtc aacggttgag gacacatcag tgcacctgaa gtcaacagac   360

acaagtggct catcacacac agagaggatt ccctggagct cattgtctgc actctctctg   420

aatgctgcat tcacttcttc tgcaaggtct tctttgagac ctgaacaacg aggtccacca   480

ctgagacgtt tggtgttggc acacggagtg caatgccata gagtttgccc ttgagggttg   540

ggagga   546

<210>   2799
<211>   540
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052b10a1

<400>   2799

cacaaatcaa ttaactgaat gtttagagag agaaagagga gaaggagtag tgatgaggtg   60

atcatagagc atattataag agagtgaaaa ctaatggagg ttggcctcaa gaaggagaac   120

atggggtttg aggaaactga gttaaggctt ggactgcctg gaaacggagg cactgaagaa   180

gtgctcatca ggaagagggg tttctctgag actgaaactg gtcatgaaga tgagtctgcc   240

accactgtgg atttgatgct taatctttct tctaaggagg ccgcaaccac tgctgctgct   300

gctgcagatc caactgataa gcacaagact ttgcctaagg agaagaccct tctgccagca   360

gatcctgcta agccttcagc caagacgcag gtggtgggtt ggccacctgt gcggtccttc   420

cggaagaaca tgttggctgt gcaaaagagc gttggagaag agagcgagaa gaacagcagc   480

cctaatgcaa gctttgtcaa agttagcatg gatcgagcac cttaccttcg caaagtggac   540

<210>   2800
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052b10d1

<400>   2800

gtacggtgag agacctttct atgatcacat gacaacaacg tgtagtagtg tacctatcta   60

cattctacaa tagctgtaca catgctacta ctactactag gaacaggtca acacacatgc   120

accgttggat cgtcgtcgtc atcatcacat agcaaaatac caaagcaaac ggtggagcca 180

acacatgcgt ttccagcttc aatgtttctt tctttcttac tttggcctag ctaagctaac 240

ttgatcaata atcgtatgtg tgtggtcgca caggcacact catggacctt gagtctcgtg 300

ctaccgtgca aatgcgaatg ggcggcgcgc gtggatttta tgtgacatgg ttttaaatta 360

cgattgtggt cgcatggtga gtcagaaaat cttaagagca attgcggatc gtaatttaaa 420

accatcatga tgtgctcaaa aggacttgtt gggccagtac atgaacatgt cctgcagcgg 480

cgacaacatc tgattattgc cctggaattg 510

<210> 2801
<211> 581
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052b11a1

<400> 2801

cccgtcttca gggtcgcatc ctaagagtca ttttgttcta ctgtagatca tcagagcgac 60

caaagcatca gtggcctgtg aaccagaagc tcttcacttt ggatgttatg taccttcatg 120

ataaacctgg accagataac tgcccccagg aggtttacga tacactggtg gaggcacttg 180

aacatgttag tgaatatgag ggttatatct tggagagtgg acaggggttg gcacgtgttc 240

tattccgtca tgtgctgata ctattgtcac atcctcagca gcgttgcatc caagagtatg 300

ttgacatacc aaagtcaatt gcaaagaagc ctccccaggt ggagcctatg gctactgaag 360

atagtgctcc catatcaagc caataatact atgagttggg aagtggatgg cagttgcatg 420

tggtcaacct ctttagggga atggaatatg atcataattc agcaatgttc aagttggagg 480

ttagtgtcac taggttgaca agggaatgat tgtactagcg taacagtttc tgaaatggat 540

tcgattctac accctctttc gtctaagctg atccattact a 581

<210> 2802
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052b11d1

<400> 2802

1072

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gcataacatc cacatgattt ttaattaaaa ataaaaaata cacaattttg ttgcaggaat   60

gagagggcaa cccttgggac tataatcttg agaagccact tcggcttcca aaatagtatc  120

ccgacttcca gagcaaaaca caaggctaat aatacaactt gaataacaag atacatgcag  180

gcagaagaaa aatgtttcta gtatgtcacg atagaccaaa taaaattttt attgctgact  240

agtgacttgt gtgctaaggg ttctaagtgc gtacataatc cctatggctg cataaacatc  300

ccctaccgga atcacaaatt cacatcagtt ggaggagtgt atactagcac atacttacta  360

gttacataac agcagagtat tcaaccactg ttcgttcata gatgcatatc aaatcaacaa  420

ccttgaaggt cacgccacct gagataaact aaccctgccc gataatgagc gtatgcccca  480

gccaccacca atatatgaaa caattggtga ctgtgtcccg caat                   524
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<210>   2803
<211>   546
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220052b12a1

<400>   2803

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gccagcgcca aagctggcca cccaactttc cttttggtga gggagtccac tctctccaac   60

cccgcaaaat cacccctcat cgacaatttc aaaggcctcg gtgtcaatct tgttttagga  120

gatctatacg atcaccaaag tttggtgagt gctataaagc aggtcgatgt ggtaatttct  180

actgtaggac acctgcagct agctgatcaa gataagatca tttctgcaat taaagaagca  240

ggaaatgtta agaagttcta tccatctgag tttggaaatg atgtggaccg gactcatgca  300

gttgaaccag ccaagtctgc atttgcaaca aaggccaaag ttcgccgagc tattgaggct  360

gaaggaattc ccttcactta tgtgtcaagc aacttctttg ctggttactt cctgcccaac  420

ttgtcacagc ctggagccac agctgccccc agagacagag ttattatcct aagagatgga  480

aaccncacag ctgtttttaa catggaagag gatattggca cttataccat caattctgtg  540

gatgat                                                             546
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<210>   2804
<211>   385
<212>   DNA
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<213>    Glycine max

<223>    Clone ID: jC-gmfl02220052b12d1

<400>    2804

cattcgaatt cattttattt atatattaat attatattca aatgaaataa aaagatatta    60

aaagatacta attataagaa tttgaaagtg aaattataaa gttattaaat gattaatcaa    120

ttttttttcta cctgttcctg tagtaaaaag agttccatct gttcttgaat agcttccttc    180

aaaaggactt ctgcttcccc agtgaatgtc ttggtagaag atatgatttc tttgaattga    240

ggtttattcg tgtttaagta agcacgtaac tcaacaagaa atttccttac ctgtccaatt    300

tctaatgaat caagataacc attcgttcca gtataaatag ttattatctg ttcttccacg    360

gtaagaggag ctgattggga ttgtt    385


<210>    2805
<211>    547
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220052c01a1

<400>    2805

taatgatcaa aatcacaagg aaatgaaaga gcaagaaaat tggaatatgg atcacccttt    60

aagagatgaa gctaacaaaa aaatgttgat atgatgtgca atctgagagc aaacccaagc    120

caaaactgag aggctccctc ttcatccatt ctcagcctca aggagattct tcggtgggaa    180

aaatccaaga ggtttgaaat tcgaaggcag ggaagatgga ttatttcact gcaccaggaa    240

gaaaccatct ctttgctcca gggccggtta acattccgga ccagatcatc cgggccatga    300

acagaaacaa tgaggactac cgttctccag caattccagc tatgacaaaa actttgcttg    360

aggatgtcaa gaagattttc aagaccacta ctggaacccc atttctcatc cctacaactg    420

gtactggtgc ttgggagagt gctctcacaa acacactgtc tcctggggat cgaattgcat    480

cgttcctgat tggccaattc agcttgcttt ggattgatca gcagcaacgc ctgaagttca    540

atgttga    547


<210>    2806
<211>    481
<212>    DNA

<213>    Glycine max

<223>    Clone ID: jC-gmfl02220052c01d1

<400>    2806

aaaaccgaaa agatagattg attttttata tgataataat tactaaaaaa aatcaccaag    60

tttgagaaga ctgggtatta tataacatca tcatggttaa tcattgatca tcccctgaac   120

cattcaaatt cgtccatata gcaattccgc ttgtccctac agccaaaaca atcaccacta   180

ttgccatcac ttgatctttt gactttgata tcccatgcat gtccctgaga acaattgcag   240

cagggaagat gaatgaggtg gaaacaatgg ctgtggatcc caagaactgt acaaaatacc   300

atatgtctgg gatggtcaca gcgaccaagt atgtgagggc tagcaaagtc aaagtgagtg   360

acacaaatct tggggtgtct gatgcaaggg gaggcttatt tctgtttgag aaaattagtt   420

catctatgtt ggccctcagg gaataggtca cgattgggaa cacaagtgct agatggagtg   480

c                                                                   481


<210>    2807
<211>    528
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220052c02a1

<400>    2807

cgctgaaata gatttttttt ttttgggtat aatattgatt gtagtagtat ttattttatc    60

ttctgatatt atatttccaa ttttgctgtc aaaacattat tagcgatcaa tttgaaattg   120

atacagagct gagagcatca aggaatcgaa gaatagaaga ttcatttctt tttctttttg   180

atatggaagc tgatgtttct attattttg ttgcgttttc aaaaccctaa attggagaaa   240

tcccaatttc tccttctgtc tttctgcttt ggatgttttt caaccaaaaa attgtgcttt   300

tcaaatcttt tgctctgatg ggtacttcaa atcttctctt gatattctct ctgatgagcc   360

tgtgtgctat ggcggcttcc aaggtggtgc ttattgggaa taatatcact ctctcctttg   420

atgatattga agctaatttt gccccaacag tcaaaggttc tggaaaatat ggggtcttat   480

atttggcaga aacactggat gcctgtgcag aattgaccaa ttaagttg                 528


<210>    2808

<211> 445
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220052c02d1

<400> 2808

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ggatgacaaa gtagtttcat tgatatctaa acacctactt agaggttaaa tattagattc    60

tcaaaaataa aagtaaaatc gagcccagca tgctatggct atatgacagc aaagacacgc   120

agcataaggg tgatttagtg gacaacttat cggtcctttt ggccatttac caatctatta   180

aataaaacaa cgggctactg ccaaaccagt acataaattt ttggggtcca cattggaagc   240

gcacgaagat gttacagaac aaaaaaaata atcatacttc ggccataaga aatccaaaac   300

tatatataca cattaactca acttggacaa aaaaatattt taacgaagtt cagaaacgaa   360

aggaaaatgg ccaaggtgta aaattgaatt tatttcggac acgaattaca aatgtcacct   420

tcggtctcct agatagaatg tcgga                                        445
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<210> 2809
<211> 511
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220052c03a1

<400> 2809

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gttctctcac cgtgaaagag agagagaggt taggctatgg ctgatgagag cgttgttgag    60

tccccagtga agaggcagag agatgatggt gaagaaaatg gtgtctctgt tccatggac   120

gcggagggtg gcaaagaccc tcttagtaac ggtttatcat ctgtgattcc tgggtggttc   180

tctgaaatca gtgcaatgtg gcctggagag gctcactcct tgaaggtgga aaagattttg   240

tttcaaggaa agtcagaata ccaaaatgtc atggtcttcc agtcatcaac atatggcaag   300

gttcttgttt tggatggagt aattcagcta acagaaaggg atgaatgtgc ctaccaagaa   360

atgatcactc atctttctct ttgctctatt ccaaacccta aaaggttttt ggttatcggt   420

ggaggtgatg gaggggtcat acgagaagtt gcacgccatt tttcagttga aaagatagac   480

atttgtgaaa ttgacaagat ggtttgtgat g                                 511
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<210> 2810

<211> 404
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052c03d1

<400> 2810

actaggatct attcttacat agcattccct tgtaaagcat tgggtaacgt accacattat   60

tgctcaattg gtacatgagt gtttcaaaat aatctggatt cactgctaaa agaatacttg   120

tttaatactt tgtgctcatg aataaaatgt acgtgcgtta ataatgaga tgctagctaa   180

aaatgactat catgcactta tctacgaatt ggaactaggc gagactataa caaaggatgc   240

ctggacacag cctgggagag tgcttaaagc tgccacctgg cgaaatgaaa gccaagcaat   300

actatcatca ttagtcaagc catgaacaag gacgttagca caattcttcc gacaaccgtc   360

gtgatatggc tcactgaacc gcccatcagg accactaacg taat   404

<210> 2811
<211> 558
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220052c04a1

<400> 2811

tggtagtttg gtacacaact tcacatgttc ttacagtttg cgtccgcaaa ccaaaaaggc   60

tagctagggt ttgagatcag atcagggtgt aagaaaaatc agtaatcagc aatcacttat   120

taacctagaa attgttatcc gtttgtttcc catgcaagaa atgttacaca gcaacacatt   180

catcattcac ctcctttcgt gacaaatcgc tcttaccgat taacaaaatc tcgtgtacca   240

gagtcaccac cgacatgggt tcgggttcgg tccactggaa cgtattcgac ggcgtgaaga   300

taatcacggc gacgccggag gcgctcatgg cggagatcga ctccgcgatc tcgaatctgg   360

aatactcacg tgccaccgct ctcctggagg ccgacgaggg atacgacgcg cacatggccg   420

acgaaaccta caaggcgggc tgcgccgncc tggccgtcgg caagctcgac gaggctctcc   480

gatctctgaa ccttttttc tcgaagtgcc cccccgatta daccgccgtt ttctctaaac   540

ttaacttgct cattaccc   558

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<210>      2812
<211>      276
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220052c05d1

<400>      2812

gactaggtca ttgttattgc tacccatata cgggtacatg aatggcatcg aagaacgagt    60

tcacaatgga ttttactgaa atagcgacat actcatgtac catatttggc aaaaagggca   120

cataagtgaa tcaggttctg gatgtgtaaa cgggagtatc aaaaggttgc attttaactc   180

tagaaccact gaacagcaat aagggagtct tgcgaaacac cgggagcccc gagtatagtt   240

accaagaccg acacataagt aaaactgcta actctg                            276


<210>      2813
<211>      585
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220052c06a1

<400>      2813

gctgggtgga gctttacgca atcccattac actctctttc tctccatttc cttctattct    60

ctattattat atccttttct atttttattt ttctcattgc attctctaat ctttaatctc   120

tattctctac ccattcatat tcatccccgg tttttctctg acactgtcgc ataacactct   180

ttgaaccacc gcaactaaag taacaacccc atgtcctgaa cctcactttt cttctcgcca   240

aagcttccaa ttttcgattt ttcccttgtt ttcagagaaa tatcaacacc ccagaaaata   300

aaattgagag aatagaagaa aaccttttct gggttaattt ggtaatttcc tttttcttct   360

ttcatgggta acataggaag cagcggctcc aacagccgcc ggagacacgg cggcggcggc   420

ggcagcggta ggcggattca cccgcctccg ccgcaggtga tgccgacgtc ggaggtcacg   480

gtcaaccaat tcgtgtatcc tccgcncgca cgccgtatca caacttcccc ggtactaccc   540

ggcgccgacc accatgccgc gccgttgccg cgccgacgac cacca                  585


<210>      2814
<211>      248
<212>      DNA
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1078

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052c06d1

<400>   2814

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gattagataa tttttttta ttccaattta cagggactac aagaagatcg aatcgtgggc      60

atacaaatgt ttttccaact aatgccccat cctagatgac ctacattggt ctatgggacg     120

aaggagctat acattcttag tagttagtat gaatagctat caacggctgc ttcagaccta     180

gatattgaca taccttatat taagatgctt gcaacacatt gggttataca cttttcccga     240

cccgtacc                                                              248
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<210>   2815
<211>   600
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052c07a1

<400>   2815

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tggtgcctcg catgtaatta aattataatt ggctttatag tttcgtaatt taaacaaaaa      60

ggcaatcgct acaattgact gcatgtttta gatatttgtt cacagtatgg tgttatggtt     120

tcgtaagtaa aatggtttat ttactcgtat gtatacagtt taatgttttt gtgattagaa     180

ttgaattgaa agtcgcttac tattaaatga ttcgttaaat atcgtaatca ctatacaatc     240

tccttcaaaa gagatcaatg tagctagctc gctcttgact gtatgatggt ttacacccat     300

gtatactgtg acgtatttta tattttcatg atttggattg aatttgaagc ttcttacaat     360

taaatgactc gttcaatata ttgtagtcag gatacaaatc tacttcgttc accataattt     420

tgattgattt aattaactat tatgttcact ataattttga ttaatttaat taactattaa     480

tctttgagaa tagcaataat tattaatatt ggtttcgagt ttttaacttg gtcaataaga     540

tgctgcaaag tttatttatg ctcaacatac atttgctatt gatcaaccta tgtctgattt     600
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<210>   2816
<211>   126
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052c07d1

<400>   2816

atgcatgtaa ctgttctttg gtttttgtta cgggatacgg tgtccattat ttgttgagca   60

cgaccgatca ctattataaa cagtgtcaaa tgagatttcg cgcggtgacg cttacttgtc   120

tgtgac   126

<210>   2817
<211>   546
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220052c08a1

<400>   2817

gtgtctcatg gattcggagt gagtaaaaga aagcaagcat tgcgccatag tacctcatag   60

tgattaataa accttcactc gtcccatttg gatttggatt ttggatttgg atttggattt   120

gaatccgtaa tggcacccaa caacaacaga acaaagggat cccattttcc gcttctggcc   180

ttcctcttcc tctgcctcct cgcgcccctc ctcttctttt tcttcgcatc gcccccttcac   240

gatcaaggtg atgactcagc tgtttcgagc gaaaaggttg ccagatcgaa agaatggcag   300

gcattgcagg atcttaaatt gctttttca aaagaggttc ttgatgttat tgtgtccaac   360

acaaatgatg tggggccttt gagccttgag aatnttagaa aaaataatct gtctgcttca   420

tggagagttg ctggattaag gacttcaaat gctatgaatc agctcaacca accagcagac   480

aatgttagag aagagaagca caatgggaag gaaagaagat tttcagttga tcgtgctcag   540

tggact   546

<210>   2818
<211>   240
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052c08d1

<400>   2818

aagcatgaaa cggtacgaag tacgaggttg gggaacattg tgtacataat ctgtagagca   60

ccaccattct ctacgttaaa gactattaaa tgaccttgca gccgtcgaca cggattttta   120

ggggacacta tatggaggag taggaatagg cgacgcaggt gacggggcca gatcggagta   180

tggtgaagaa caaccctgga ggatcaccgg tcacggctta ccagtgcaat gaacttctgc   240

<210>   2819
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052c09a1

<400>   2819

ggaatgcagc cccaatcggg cggtaaattc cgtccaaggc taaatactgg cgagagaccg   60

atagcgaaac agagagtggt ttcagtgagt gatcggtgtt cacttgatcc ttcataagtc   120

gtcatcatca tcatcatcat caccgttgat tgaagaagat gccgatcaga aacatcgcca   180

tcggaaggcc tgaagaggct actcaccccg acacgttgaa ggcggggttg gctgagttca   240

tctccacctt gatcttcgtg ttcgccggtt caggttccgg catcgcctac aacaagctca   300

ccgacaacgg cgccgacact cccgccggcc tcatctccgc ttccatcgcc catgctttcg   360

ccctcttcgt cgccgtcttc gtcggcgcca acatctccgg cggccacgtc aaccccgccg   420

tcaccttcgg cgccttcgtg ggccgcaaca tcaccttact ccgcggcatt cgctacgtca   480

tcgcccagct cctcggctcc a   501

<210>   2820
<211>   320
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052c09d1

<400>   2820

gggttatatg ttctcattca atcaagtgac acattagcac atacgatcaa tatgctggga   60

acaaacaccc taacgagcat aataggatca tcatacaacc cggacatctc gtccagcgtc   120

cactgggctt atctagcaat gatgcgtaca cacctcttag catatcagat gtggcacatg   180

atcaggaatc acttgtgggg gacaacctct cgggctaaga agccacttca ggcttgcaag   240

agttatgggc acttgggaac gcctttagga ccccgcattg tgcaacaggg actaggacca   300

cccacgctaa aaagcggggc   320

1081

<210> 2821
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052c10a1

<400> 2821

gtcggttaag gagtgccacc ttcaccacaa gggaaagaag cacaagctct ggagacgcat   60

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aatcctaaag ccttcaaaac caaccttcat cctccaagac gtcaccgttt acggcttcaa   180

tgccaccatc cccaacttcc tcacctcaag ttttcaggtc acgctttcct cgcgcaaccc   240

caacgacaaa atcggaatct actacgaccg tctcaacacc tacgtaactt accggaacca   300

gcaggtcacg taccgaacct caatcccacc ctcgtaccaa ggtcacaagg aagaggatgt   360

gtggtccccg tttgtctacg gcactaatgt ccccgtcgca ccctacaact tcgttggcct   420

cagtcaagac cagaccaacg gcaacgtcct cgtcctcgtt aagattgacg gtaaggtacg   480

atggaaagtt ggctccttcg tctctgctca ctacaacctc a   521

<210> 2822
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052c10d1

<400> 2822

atgtaaaatg taaccataca ataaacttat aaattatcac atactatcat tctcgatgat   60

aaaaaaataa taataataat aatactatca tcatcctaac cggtcaaaaa caaaattaat   120

aacaaatatt aattaattaa ttaattaatt aattaactaa ctaactaaaa gcttgctctc   180

tttagggaag taatagtaac ggaagaaccc aagggagaag ttcccacttg aatctcgaag   240

gaatcatagc gaagaaagaa ctccacaacg aaaagcctcg aaaccaaggt gacgaagtct   300

tttccggcgc attgcttgtt cccaagtgtt ggagactcag tctcaggccc attggaccac   360

agcacgtgct tgaggagctt ctccccttcc ttcccgacga acctgtcccc gacaaactcc   420

tcggccctct cgaagatcct aggatccttc gtcgcgaatg gttggtaccc gaacagcatc   480

tacccttgct tcacctgaaa cgcgtggtcg tggctctcaa tgatca   526

1082

<210> 2823
<211> 585
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052c11a1

<400> 2823

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atcaatgctc caaagaacct gatgaacttc agtgcgtcca gttttcatgt tctgtccctg   120

tgatgaatgg aagaggattt attgagattg aggaccaggg tttgagtagc agcttttttc   180

ctttcattga tgtggaggag gatgtttgct cagaaatctg tacacttgag cctcttctag   240

aattaagtga aactgatcca gatattgaag gggcaggaaa aatcaaagcc aaaaatcaag   300

ccatggattt tattcatgaa atgggttggc ttcttcacag aagccagttg aaattaagga   360

tggtttctag tgtggatctc ttttcattga aacggttcaa gtggcttatt gagttttcca   420

tggatcatga ttggtgtgca gcagtgagaa aactgttgaa cctactgttt gatggaactt   480

gtaatacagg agatcatcct tcctcgaatc ttgcgctttc agagatgggt ctccttcaca   540

aagctgtaat gagaaatagc atgctttaat ggaggtgctt tgaga                   585
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<210> 2824
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220052c11d1

<400> 2824

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tttaaaaaaa aaaaacggac acaagaacca acatctcctg tcagtattca cataacataa   120

aaagacattc aatatgccgt gagcacttgg taactggcgt agaaaacata cgttacaaca   180

agagggtcaa taataaactt gatacctact ccgggccttg cattggaacc atcatatgtc   240

gaccctgaga attcgggtaa gtaacatttt gtgagaaaga accttgatga gcaagctgag   300

cattaggact tggctgaaca tctctcttag cagatgagtc tccacccttg gcagagccct   360
```

tcgtatcacc ctccatctct cggtatctag tgaggtaaat tttaagagga tccatataat 420

cctcgaaacc gagagtgngc catcgccaga gcaaatcatc ggcgttaata gtctttctct 480

tttctctctg acactta 497

<210> 2825
<211> 516
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052c12a1

<400> 2825

ttcgtcttct tcgtctttac tcttttcttc accgaagcga aaaagaaaag gcttgacttg 60

agagaaatag agcttcgaat cgaaactcag aattagaaaa aaacacaaat cacaatcaca 120

atggcaaggt acgaccgagc aatcaccgtt ttctccccccg acggccacct cttccaggtc 180

gagtatgccc tcgaagccgt ccgcaagggc aacgccgccg tcggcgtccg cggcaccgac 240

aacgtcgtcc tcggcgtcga gaagaaatcc accgccaagc tccaagactc caggtcggtg 300

aggaagattg tgaatctgga caaccacatt gcgctggcat gcgcggggct gaaggccgac 360

gcacgtgtgc tcataaacag ggcacgtgtg gagtgccaga gccacaggct caccgtggag 420

gatcccgtca cggttgagta cataacgcgg tacattgctg ggctccagca gaagtacacg 480

cagagccgcc gcgtgcgacc ctttgggctt cgactc 516

<210> 2826
<211> 416
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052c12d1

<400> 2826

accaacataa tttaccttgt tattatagtg ataaacagaa atgtgactaa attgcaggta 60

cttgtctgaa gatagcatat atcttttct aaaagcagat aaaaatagac aatgaattgc 120

aggtttaaca gattaagcag ctgctccaac agctacacca cccttgagcc tggatttacc 180

atacagggtt tcttcaaacc ggattatctc attcttggac ccataagcaa cttgagttct 240

gtcatcaatg ttactgatga ctttgtctag cacagactga tgaccatcac tgctgtaacc 300

1084

tccagctttt tcaatcaaga accccaaagg agctacctta aacaacagtc tcagtttggc   360

tttggctgat ggtgatgaca cgttggtgaa gattcccttt tcttttacaa taatct   416

<210>   2827
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d01a1

<400>   2827

attctttgag ggaatttgac ataaaagtag ccactgcccc aacgatccca tttcccttga   60

cttctctacg tgaagctcct tgttttgcat aggagctagt tgaaatgtcc gagggaaatg   120

cagggaaagg aaagaaaatc gccatcattg gtgtctcaac cttattgttg gtggctatgg   180

ttgtggcggt cacaattggg gtcaatctca atgagaatgg ttccaacaat gatatagagg   240

acaacaagaa agatcatgtt gcttcttcca taaaagccgt ccaaaccctt tgtcatccca   300

caaattatga gaaagaatgc gaggaaagcc ttatagctgg ggctggaaat accacagatc   360

caaaagaact tatcaaaatt ttcttcaaca tcaccattac aaaaattggt gataaactca   420

aagaaactaa tattttgcat gaggttgagg aggaacccag aagccagatg gcacttgaca   480

cttgcaagca actcatggga tcttctatcg gggcaataac acggtcactc gatggaataa   540

atgagttt   548

<210>   2828
<211>   207
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d01d1

<400>   2828

gtcttagggt gtcaaactag tatcattgct atatcaacac ctacatatgg gttacagctt   60

ctgtcccaat cattaacaca gtagataaac cgagcctgcc ttagagcttt cataacttcg   120

gcgcgcaaca tgatggtgca aaactgtaca acttatgcgg tccttgaggc cgcatactac   180

catacattag aagctagcgg tctggtg   207

<210>   2829

1085

<211> 575
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052d02a1

<400> 2829

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ctcaacaacc ctttccctga tacccctaag cagcctagtg atgagaaaag gcctaccagt   60

ggtggtggtc aacaacaaca caacaaggc tttgatgatg cagatggaga cacaaattac  120

caacaaaacc aaagccagaa tctttctctc tccaagtctg cttgtagcag cacttccgag  180

acaagcaagg gctcaggctt gtccctctca aggtctgaga tccgtgtgaa ccgtgtgaag  240

gcaagggaga gggcaaggga gagagcagca taagagaagg agaaggagaa agagaaagag  300

agtgatttta acattgcaca ccaccatcac caccacaatg tgaacaacat gtctcacact  360

gcttccttca ctgagcttct cactggtggg attgggagca cggtaacagt taaccccaac  420

acaacaacaa caacaacaac aacagcaaca agtcctaatg gatcatcggt tcatcagatc  480

catgagggtc atgatcatga agctaatcta ttcaacaagg gaagtcaaca acagcaacag  540

caacaacatt acctttggtc tcaacagtga cacct                            575
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<210> 2830
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052d02d1

<400> 2830

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ggaacttaaa aatatatttt attcacaaga cacacacatg cattattttt tcaaacacat   60

aacataatat atataataga tgtctgcctt gcatggcaag cgtctcagct cttaatttgc  120

agatgaaaca catacatata gcaagcccct atagcactag tatgggtctt attccatagt  180

tacgtatagt acatatagct agcaagctag ctttattatt atgacccaat cttattccat  240

agtggtacat atagctagca tttattatta tgacccattc ataaaactac ctctaataat  300

tgtaactaat aacttcttgc ccttaagata ttatttcaag attcacacat catacatatc  360

acataacact tctgagatgc gtgttcaccc ttcatgtcat acctcattca tttacaggca  420

ggccacaatt aaatttcagg gatccacttg                                   450
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<210>   2831
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d03a1

<400>   2831

agctcgtcgc gttcgtctct ctctctctga gctcgattta ttgggctctt cgaattcggt   60

tcccgatttc cgacgagttc tatcattcac ttcaatcttc ggaaatgcct ctcagactcg   120

aaatcaagcg aaagcttgcg caaagatcag agagagtaaa gtctgtggat ctacatccaa   180

cagaaccatg gattctagca agtttgtact ctggaactgt ctgtatctgg aactaccaat   240

ctcagaccat ggccaagtct tttgaggtta ctgagttacc agttaggtca gccaagttta   300

ttgcacgcaa acagtgggtt gttgcagggg cagatgatat gtttattcgt gtatataatt   360

acaacacaat ggataaagtt aaagtatttg aggcacatac agattacatt aggggtgtgg   420

cagttcatcc tacccttcca tatgtgttgt catcatctga tgacatgctc ataaagcttt   480

gggattggga aaagggctgg atctgtaccc agaattttga gggacattct cattatgtca   540

tgca   544

<210>   2832
<211>   251
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d03d1

<400>   2832

cgaggaccaa tagtcaaata gcatttcctt gtaaaaccaa gggtattcta ccaaacaatt   60

gaactactgg tacatgattg tttggaaata tagtgccttc actgatcaca gaaaactgtt   120

acaatgctat gtgctcaagc acatgctgta cgtgcatgaa atattgagta gcaatataaa   180

tctgactatc atgctcttat gaacgaattg gaactatgga cattcgatcg caaaggatga   240

ctggactcag c   251

<210>   2833
<211>   602
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmf102220052d04a1

<400>   2833

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ggctcgagct tttttttttct ttccctctca caacaccact tcacaccaaa actcaactta    60

aagcttcggt ttatttccat ctctaaaaac gtatctttcc attttttttga catgttcata   120

ctttccctgg tcctcgacca ccaccctctt tagccgttca aaaataatcg tagaagaaga   180

agaagaagca taagaaagag aagatctttg atgacccact ttgctaaaaa agagaagatg   240

atgatgatgc tggccacaac tggcacacct tgctgctcct aggaactttg taacacacca   300

caccacacta cactacactg cactgcactt atcccgtgtc cgaatcctca tgtgaatcac   360

gaacacccgg gattttcggg tacctcaaac tccttcactc aattttctca tcaccatgcc   420

ctcgagtcat tacaccacca ccaacaacaa cctcaacaac aagactagga aacgaggttg   480

ttcctcatct tcctcttcct ctttggtcag aagataccgt ttcaagagag ccattttggt   540

tgggaagaaa gaaggtcaag ttctccagtt cccatgtgaa agactaacac aagttcttct   600

tc                                                                    602
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<210>   2834
<211>   580
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052d05a1

<400>   2834

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gataatttgt tggttacaac tgttaattca attggagctg tctttcaatt tgtgtacata   120

atcatcttcc tgatgtatgc tgagaaagcc aaaaaggtga gaatgattgg attatcgctg   180

gcagttcttg gcatatttgc aatcatatta gttggaagct tgcaaataga tgacattata   240

atgcggcggt tctttgtggg attcttgagc tgtgcctctc tcatttcaat gtttgcctct   300

ccattgtttta taattaaaatt ggtcattcag acaaagagtg ttgaattcat gccgtttttat   360

ctctcacttt ccaccttcct aatgagcacc tctttcttac tttatggatt attcaacgat   420

gatgccttta tttatgtgcc aaatgggata ggaaccatat tgggattgat acagttgata   480
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ttatacttct atttcgaggg taaatctaga gtgaactcca gagaaccttt gatagtgtca 540

tatgcatgat cagttctgct gaaaagactg gagtgacaac 580

<210>   2835
<211>   242
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d05d1

<400>   2835

gaagctagaa ttcttattga taccaattta gggggacatc ttgatgatag aattacggat   60

ttacatttta catgatagct gatccaacat atccattgac atagaatgca ccaagggact 120

tgcaattcat catagtcaat actaatataa tatctaacaa ctaatggatt aaaccttgct 180

atgcacatag cagattagca aatgcttgca acgcatcatg gtattcacta attataatac 240

at   242

<210>   2836
<211>   528
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d06a1

<400>   2836

gtgcttttga tcttggagca ttacttcaat tcatatacac caaagacaca tactatcttc   60

ataagcaaag gactcaaagt aatagttttc tacaaaaaaa ttgaagtttg ggggggggatc 120

tacatctcta tgggattatc actttcctta ctctcatcag cctgggaaga aatcgttaga 180

cattcactat ttggtctgtc tttgaacttc acttttggtt ccaaagatgg ggctatgatt 240

ttgagatcag gtagcttcaa gataagagaa tcagaaacta cttcaaaggg tgcctctacc 300

accaactttt caagcaaatt gacggattgc aggcccgaac acatggtcct cgaaccaaac 360

ctttcgtgca ttaaagatat ggagatcatg gaatcaaaga gcagtgaaca acaattgcag 420

caccagcctg tccctgttct ctctctgcct aaagaagtgg ttttctcttc gccaagaccg 480

ggtagtgagc ttgatgctgc ggctactaag cttcataagt ctacaaga   528

<210>   2837

<211>   191
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d06d1

<400>   2837

gaatctataa ttcttattga ttcccattta gggggacatc aagatgatag aatcgcggat   60

ttacaattta cttgatagca atcccacat actcattgac ataaaatgca ccaagggact   120

ttcaattaat catagccaca acttctataa aaagtaaaaa attttgcatt aaaactctct   180

aagcatatag c   191

<210>   2838
<211>   518
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d07a1

<400>   2838

caagagtggt ggatccgttt ccgcagcaa acactcttct gagttctgag ctagcgaggt   60

tgcaatggcg attatctccg atttcaacga agaggagcag aaacccactc actcttcacc   120

accgcaaccc caatcctctt cctcttcctc ttcctcttcg ttcagtgctg cttttgaccg   180

gtcaaaccct atcgctttc tggagagagt cttccagttc gtctccgaac acagcgactt   240

tctggcgacg gagagcgccg agaaggagat agcgttgctg gtgcgcgccg ccgggaagaa   300

gaagagggag tttctcaagt cggagagaga aaaggccgag aagaagaaga gagaggacct   360

caaggcctcg gaggagaggg aaaaatccga caagaggctg aaggaagaga aggaacccaa   420

agccgaagac accagcaaag acgaaagcac ctgccaagtt ccaaacaaag gtaatggctt   480

agatttagag aaatactctt ggactcaatc acttcaag   518

<210>   2839
<211>   434
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d07d1

<400>   2839

1090

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tttttcttttt ttttacaaa ctttcaaatt atacactgcc tccaactcac tgtacggagt      60

agcgggggcg acatgagatt ataccatata ataataatct gacacaaact gacaagtagt     120

tatagacggc gatcaagaca atttggtgca tgggctggtg gagcctcagc tagagcagat     180

cacacaacat aggccccaaa gccgatcgtg ataagggcag tgcagatgac acgcaaagcc     240

tcataaccat atatgagcaa tcctgactgc tcaaagacaa gagagctcta tgctatgccc     300

cagagcaacc gggggccaca gccaagacaa attccgtctg cccaaaatgc gcgtgctcgg     360

gaagagaggc ccggccaatg tctggagtgc caccagggaa gaacaagatg acaatcccat     420

atattcactg aatg                                                      434


<210>      2840
<211>      467
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220052d08a1

<400>      2840

taaaatgttg ttccacaatc tatccacata ccgactgaaa aaaaaaaact cagtttgtgg      60

gtttattata ctttgattga ttaattaatt attagttagt tagttacgtc ggttaatcaa     120

ctggaagcag tgtcactact gtgtttcgga aagttcgaga tggtgaggct tctcggccag     180

gggacgtttg ccaaagtgta ttacgggaag caaataagca cgggccagaa cgtggcaatc     240

aaagtgatca acacacagca agcgacaaaa gaatgaatga tggaacagat caaatgtgaa     300

atttccgtga tgcgtttggt gcgacaccca acgtggtgg aaatcaagga agtgatggcc     360

acaaagacaa aaatcttctt cgtcatggaa tacgtgcgtg gcgggggaact ctttggcaag     420

tctccaaagg caaactcaac gaagatttcg cccgcacgta ttttcag                 467


<210>      2841
<211>      507
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220052d08d1

<400>      2841

attcattatc atatatgcat cacctagtat cagctggttt attcttaatt aagagaaaac      60
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taaaatacaa tatcttacat gctatttttg ttgttcttga attagaataa tttcacctcg   120

ataactttca aaatccttta atgcaaatta ccgaaataaa actctagttc tagtacaaac   180

aacacctagc tataataatt aggggttgat accatagagc tttcgaatcc cgtctatatc   240

atcttgcgct agattcacct tcctagttcg aggtggtata gaaggataca tgatggctct   300

taggtccgac gagtggccta atccgagcaa gtgcccgatc tcgtgcactg ccacagattt   360

aaggtcaaac gcacttgtca ccggcgattt ggtgacatcg ccagacgcca cccaatattc   420

gtcggcgtca aagtggcacc tgccatcagt gggagcgaat gcatggccca atattccacc   480

tggaccatca aaaggatacg gatcacc   507

<210>   2842
<211>   130
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d09a1

<400>   2842

atggaattag accatgaccc agaacagtga agcttggatc agacctctaa ttttatgtgt   60

tagtgcccct tttttatggc taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa   120

ataccttcat   130

<210>   2843
<211>   442
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d09d1

<400>   2843

gccaaaaaat taattcaaac tatattaaac cagggaaaca aaaaaaaaaa aaggtttatg   60

atacaccatc aactatatct aaaagcaacc tttttcgagt acaacaaaat aaaattacta   120

tacatagtta aaacgaggtc aggtgcggta agaataaaaa tacataattc ctgccttcct   180

gtgagaattc taatagccaa atagcctcta ttttaatatg atcttcaagg aaccttgaat   240

ccccaacaac caaatgataa tctcatttgt tagttaaaat tccatgtact gaaagggtgg   300

agggcttgtt ttggtcttag aaccactaag cccacggatc tccacttttt tccattcttg   360

1092

cacaagggca cagcagcaac acatcaaatg agagaggaaa tcatcaataa atccccctgt   420

gatgttcaac attttccgaa gc   442

<210>   2844
<211>   143
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052d10a1

<400>   2844

atggaattag accatgagcc atatagtgaa ttttggatca gtcctctaat tttatgtgtt   60

agtgcccctt ttttatggct aaaaaaaaaa aaaaaaaact aaaaaaataa tataaaacat   120

gaagaaaaaa tataaaacac agt   143

<210>   2845
<211>   501
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220052d10d1

<400>   2845

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gtatgaaaat gaaaatgaaa atgaaaataa agcggcacac agggctagct agctaggcaa   120

taggcaatag gcatgtagaa ggatccatca tactaggagg gaagaggcct tggcggagga   180

gggagtagct gatggaggtt tggaggagtc tgattgtggt tgggcagcgg cggagcaatg   240

aaggggtgtt cgagcaacct ggaagcagac cagcggcgag agggatcgcg ctgaagacag   300

cgcaagatga agtccttgaa gtgaggggaa gcagaaggag gagcctcggg aggctgagac   360

atacaaatgg cgcacatgag actggcccaa tcgccctgcc tnccaaccgc gaaggggaac   420

cttcccatgt agaactccag tatgctaacc ccaaagctcc atatgtcccc tgcgtacgcg   480

tcgtattgcc cgtcgttatg t   501

<210>   2846
<211>   533
<212>   DNA
<213>   Glycine max

1093

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aaatcagtct ctaatatttt tctcactgtc ttgtctctcc agagaactgt atagagagag      60

atggcagctg caacatctgg tgctgtgtta aatgggttgg gatcttcctt cttgagtgga     120

ggaaacagga gccaaaccct tctggccact gctattggag gcaaagttgg tgctgctgct     180

gttactgtta gtcctagaag actcattgtg gtagctgctg ctgcaccaaa gaagtcatgg     240

ctccctggtg tcagaggtgg tggcaacctc gtcgacccag aatggcttga tggatcgcta     300

ccaggtgact atggctttga cccactaggc cttgggaagg acccagcatt cctcaaatgg     360

tacagagaag ctgagctgat tcatgggaga tgggcaatgg ctgcagttct aggaatcttt     420

gtgggccatg catggagtgg agtttcatgg tttgaagctg gagctgatcc aaatgcactt     480

gctcctttct cctttggtac tcttctggga aacccattga ttctcatggg gtg           533
```

```
aaagttgcca aagcttttat ttattgcaaa gcagagcaac ccttattaag accaaaaact      60

ggttcgtttc ttacaatttt aaataacagt tcactttaag aattcatcta tctctggttt     120

tgcaacaagg tttactaaaa acaatgttca ccctcaaaat gaaaatagaa aaagagggga     180

aaagaaaaca taggttaact taaaagaatt ctaagctatt gattgccccc gcaaaaattt     240

ttggctaacg gcgaacttgg ggtagacttt acggggaaat aaccttt                  287
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ggcaccgcca cgccgttcaa ctgcgtctcc caagccgatt accctgacta ctacttccgc      60
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attaccaaca gcgaacacat gactgatctc aaagaaaagt tcaagcgcat gtgtgaaaag   120

tccatgataa agaagcgata catgcacctg acggaggagt ttctgaaaga gaacccgaac   180

atgtgcgagt acatggcgcc atcgctggac gtgagacaag acgtagtggt gatggaggtg   240

ccgaagctgg gaaaacaagc cgcaacgaaa gcgattaatg agtggggtca accaaagtca   300

aagatcacac accttgtgtt ctgcaccact tcaggcgtgg acatgcccgg agcagattac   360

cagctcacga agcttctcgg cctgaggccc tccgtgaagc gcctcatgat gtatcagcag   420

ggctgcttcg tcggcggcac cgtacttcgt cttgcgaagg acctcgccca gaacaacaag   480

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<210>   2849
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052d12d1

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actatataaa atacattagg aacatcaggg cttccgattc aaacatgaac aaccagcaga   180

tacataagaa atccttagca gctaattaaa aataaccaga taccgctatt tagttgctgt   240

atataatcca actcttcact tgaaacattt aggtgaatac tactacagcc atatgttgac   300

cacctcattc tttgccatct gctgctcgaa gtgagcctag ttgaactggg gcttgagtct   360

gcaccacttt ggaagaccca tacactgata tatcaatacc ttgagccttc tccttctcga   420

tctgctcctt aat   433

<210>   2850
<211>   526
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052e01a1

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1095

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aaagcagcca tacactatta tgcacgatgt caacggaaac acacatgttt cagacctcac   180

tataaagaac gtttctagtg caagtgagat ttcatctctt ctgcaacagg cagcacaaag   240

caggtctgta ggaagaacac acatgaatga acagtcatca cgaagtcact ttgtctttac   300

tttgcgtata tctgggacca attcgaacac tgaccaacaa gtgcaaggtg tgttaaacct   360

gattgatttg ctggaagtg aaagactgtc caggagtggg gcaaccggtg accggttgaa   420

agaaactcag gctatcaaca aatgtctctc ctctctgagt gatgtcatat ttgctttggc   480

aagaaacagg agcatgtacc ctttatgaat caaaattgac atacct   526

<210>   2851
<211>   366
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052e01d1

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ttgtcacctt ggagaagaaa gataaatagc tgactgagca tgatcacgga accaatatca   240

cgatggatga tgctcgatgt tgttatcgag ctcgtgcatc tttgcgccca gaaccttgtc   300

cacttgcttg cgatggttcc caagacgaaa tgtgggatgg cctgcacctg aaactcctgc   360

gccaca   366

<210>   2852
<211>   509
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052e02a1

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tgtggcaaac cccccaaaaa gcacaagcct gggaaaaaca ccaaagacac ccacagtacc   180

cgatgttaag ccaccagtca caatccctcc cattgttaag ccaccagtca caatccctcc   240

cattgttaat ccaccagtca caatccctcc cattgttaat ccaccagtca caatccctcc   300

cattgttaat ccaccagtga cagttccacc cgttgtgctt ccaccaatag tgaagccccc   360

gggtttтctc cctccaattc ttaacccacc aagtacacca acaccgtccc cggggaaggg   420

agggaacact ccatgttcac caccaaagtc ttctgcacag gctacatgcc ccattgacac   480

gctcaaacta ggtgcttgtg tggatcttc   509

<210>   2853
<211>   385
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e02d1

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atcacatatt tactgatctt cgaaaaaata tgtaacccac aaataagcat gttaatcaga   180

agcaaacgct tcttaggccg aatcatacat atgccagacc accctgaatc agtccccagg   240

tccatttaga gtctgcttgt gactacattg gcatactttc tcatagacct tatcgtgact   300

ggaccaaatg catggattga cattttcaac tggagaacca accacactct ttagaagact   360

aatactggca gcccttgtca tgcaa   385

<210>   2854
<211>   582
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e03a1

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tgctacttct gtaatcaaaa gtttcctgcg gcttaattga tatctcgcta ttttcagctg   120

gaataaaaaa ggaacttgct gcagctagga agatgatagc tgataggcgt gatcaagaga   180

aaaaagcata tcaagagaaa aaagcatata gcaagatgtt ccaataacac tctggttaat   240

ccacatactc accaggtgcg actttggaag tgcaaaagtc ttggtgaaag gcgaaccaaa   300

tatatcatag atatgttcta gatattatag agcacctgag cttatatttg gagcaactga   360

atatactaca gctaggtgta ttggttgagc ttatgcttgg acaggtaggt gattgatgag   420

gggagctcct ttgattctgt ggtttaatat atgtaaaaat aaatttgttt ttattgttat   480

ttttccaacc cttgttccct ggtgagaagt gagttgatca acttgctgag aacatcaaag   540

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<211>   455
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e03d1

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attataaagc ccctacccta cattcgggga aacttcaaaa ccactatttt tcatccaaat   180

tattcaatgc aaaggggaag caacatcatt gcctcagata gttgtcgtcg tcattatctg   240

tatattaacc tccaccacca gaaccgtatt tctttccgaa caagacgagc tgtagcttat   300

cataaccagc gagcactcca gcacctgtaa cagcacgtaa tatgtttgca ccggcacctt   360

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<210>   2856
<211>   596
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220052e04a1

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1098

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gagaagaaaa tcaaactaca atcttccacc aggaccctct cttctcacca tcattagaaa   180

ctctaaacaa ctctataaaa agccacagca gacaatggcc aagcttgcca aaacctatgg   240

ccccataatg cgtttcacca taggccaatc aaccaccata gtaatctcct caatagaagc   300

cacccaagag gttctccaaa cccatgactc attattctcg gacagaacaa accccgacat   360

cacaacctcg tacaaccaca accgttacag cttggttttt ctccctgtct cacccctctg   420

gcaagaacta agaaaaatct gccacggaaa cttgttttcg gcaaagaccc ttgacgcaag   480

cacggacctt aggcgcatga taatgnaaga gcttcttacc gatatncgcc caagagcctc   540

aacggcgaag tgtggacatt ggaagacagc cttcatgcat gcattaattt ttatcg   596

<210>   2857
<211>   371
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e04d1

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attatcccta gaaacatact agtagataac aaaaccatca tgctgtcaac ctgaatcacg   120

aatctactga cacgagctaa tacagcattt taaactacat gctgccgcaa agtgactatg   180

ggacccagtc cactctatac actacaggct aactgcttta actctaatta agagagaagt   240

gtctgaccca agtagccata gtggatgaca tgcaattgag cagtgcctgg agtgaggttg   300

tatctaggtg tttactatca ctggactccc cgacgatcgt tgccgttgca tctgcatgta   360

ctcgagctac a   371

<210>   2858
<211>   568
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e05a1

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1099

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cgaaacgcaa acatggttct cgatctcctt ttccttatgg caatcttctc cgccatgacc    180

actccgtcaa cctccgcgat cgacaccttc atcttcggcg gctgctccca ggccaagttc    240

acgccgggtt ccgcctacga aaacaccgtc aactccctcc taacctcgct ggtcaactct    300

gcggccttcg ccaactacaa caacttcacc gttccagcct cttccgacac cgtctacggc    360

ctcttccagt gccgtggcga cctccccaac gaccagtgct cgcgctgcgt ctcgcgtgcg    420

gtcacccagc tcggcaccct ctgctttgcc tcctgcggcg gtgccttgca gctcgacggc    480

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aagaaaatgt ggcccgtcgt tgggttga                                        568
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<210>   2859
<211>   451
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e05d1

<400>   2859

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attgccaatt aatattagct gccaagccaa caacaaaagc aaactaacct taaaaaatca    120

tgggtgctca agcaatggta actttaacag tttttgattt taggggagga ggaagcttct    180

caacaaccac agtgagaacc ccattttcgc atttagctgt aatggctgac acattagcat    240

tctcaggcaa acgaaacttc ctctgcaaat tctgaggccc tctcctcttc aacctaaaat    300

actggcaccc ttacatccta tccatcttga cgcttcctct tcccattgct tcttataaca    360

agagtgatcc tatctttaac cgttacctac aaaacaaatt cacacatgcc aatgcaccat    420

aacattaatg gaggggaaga aagaatatt g                                     451
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<210>   2860
<211>   592
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e06a1

<400>   2860

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gcagcacaga agcaggttac tgtccaagag ggtgaggaca ctactactgg ccttgtctct   180

cgcaggttgg ccctcactgt gctcattggt gctgctgctg ttggctctaa ggtggcacct   240

gctgatgcag tctatggaga agctgccaat gtgtttggaa aaccaaagac aaacacagac   300

ttcctttcat acaatgggaa tggattcaaa ctctcaattc cctcaaagtg gaacccaagc   360

aaagaggttg agtacccagg tcaggttctt agatatgagg acaattttga ttcaaccagc   420

aatgttgctg tcatggtcac tgcaactgac aagaagtcca tcactgacta tggttcacct   480

gaggagttcc tatctcacgt ggattacttg cttggaaaac aagccttttt tgccaaactg   540

atgctgacgg tggtttgatt ccatgctgtg caactgcaat atcttgagag tc            592


<210>      2861
<211>      517
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220052e06d1

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agactttaat atttacaagt tattttacat ttcaaaaatt cagattttcc tttcggtgaa   120

agaatcactg ttaattagaa aacaaaggtc aaaagctttc ccagtacctt gggaagttgg   180

ttttgaactt cagaaatgga gactcctaga ttacattgat gcccatgttt gccgacattt   240

gacagcttca tggcgaacag ctctctttga atcgtcaaga cactttgata ttgctcgtag   300

aacctgtgtc ctcataggat agatacgggc gtggggcaac tcagacaagg caacaagaca   360

ttgaatagct gtctctcgaa caagctgcaa aagtaggtga ggagacatca accattaaca   420

ttattgtgga ctttgattgg ccttgttaaa ggagaaagaa cagaggctta ttgcacttat   480

tgacataaat ggaggatatt tgatttcctc taaatca                            517


<210>      2862
<211>      522
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmf102220052e07a1

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accaattcat tcgcaaacac cttttccaat ttccaacaca caccaaccat gggctacgaa   180

gacaatccgt atcgtgacga ggacggagag cccttgatgg actacgacga cattcaatcc   240

gatcgcgagc catctcccga gcctcgccgc caggacgacg atttcgatga ggacgtcgac   300

gagtggcgcg gccgtgatcg gtcgcagacg ccggtctatg acaccgatcc gtcgcggtcg   360

aagccgcgga agaggctgat caagaagagc gacgccggga agcaggcggt ggagccggag   420

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ggaaggaaga ggaagaaggt gaaggagggt gggagtggga ag   522

<210>   2863
<211>   507
<212>   DNA
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<223>   Clone ID: jC-gmf102220052e08a1

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gtgtgtttat ggagttccat tgcttgtggt caatggattt ttggtgtaga ttacattttt   180

gcagcacact caccctgcat tgccacacta cacttgctct gagtgggact ggatgagagg   240

agctttagca acagtggata gagattatgg aatcctgaac aaggtcttcc ataatattac   300

agacactcat gtagctcatc acttggtctc cacaatgcca cattatcatg caatggaagc   360

gacaaaggca ataaagccca tcttgggaga gtattatcgg tttgatggga ctccatttgt   420

caaggcaatg tggatagagg caagagagtg tatttatgtg gagccagatc aaagtactca   480

gagcaaaggt gtactttggt acaacaa   507

<210>   2864
<211>   628
<212>   DNA

1102

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e09a1

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acactcttat atataaaaga gtgtctctga taatttgatc tttgtttctt ctctttctct   180

cctttgagat ttttcagcac cccaccaagg ttttgtccga aaagcttgaa tttttcgcct   240

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tcttttgagg caaagacatg caaccctaat taaggcaagg tccttttttac cctctttgtc   360

aagagaaaag ggtcaaagat ctcttgtttc agttcaaaag ccacttcaca ttgctgcttc   420

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gaagtgtgag gcctatgaag cagacagatc agaggctgag ggtgcaagca caccatcaga   540.

agctgcaaag aaggtgaaaa ttgtgatata ttttgaacct ggtgggcttg aatgtgggtt   600

ccatattata acagaggttt gatgctac   628

<210>   2865
<211>   490
<212>   DNA
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<223>   Clone ID: jC-gmfl02220052e09d1

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gtaaatttag atagaaacat actgcagagg tagaaactct tgatttgctt gataagtctg   180

ctaaaaacat tttatcgatg taaaacttaa gctaggacca tggtttcaac tgttgggggt   240

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aaaattgttt tctttggatc cacattagca atccgaatag cagcttcaaa ggctttcaca   480

1103

gatggtttac   490

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<212>   DNA
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<223>   Clone ID: jC-gmf102220052e10a1

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cgggaaatgc aaagcaattt gaagggaagg tcactgcatt cgtattggtt acatgctttg 240

tggcagccat gggaggctta ctcttcggtt atgatcttgg aataaccgga ggagtgactt 300

ccatggaacc atttctcatc aaattctttc ccggtgtcta taaacaaatg caagatgatg 360

tcggccatag aagccaatat tgcaaatttg acaacgagct ccttacacta tttacctctt 420

ctctgtatct tgctgcttta gtagcttctt tctttgcttc ttccaccaca aggatgatgg 480

gacgcaaggc cttcatgttt ttaggaggtt tgcttttact tgt   523

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<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052e10d1

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ggacacaatc agcatgggcc acataagggg cctgccatgc cacaggtgag ccaatatcaa 180

tcttccgagc taaatcggta tccggaatgc caactccatc ctcgatagtg ccggccaagc 240

tgaaagggac aaacaaggcg cctggtggga agacttgcgc accagcggca ttggcaaagg 300

cctcagatgt tcttgaccat ggagtgggcc attccactga ctgtgacccc cgggcgggga 360

aatgcacccc tttgtagctt gcaacccact ccat   394

<210>   2868
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e11d1

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gacaacacac atttgagtta ccccaccgga tatatttgga acgtctacaa aggcctgact   180

aaaatattgc atgtaacaaa gtacttccat agtgaatgta cctgacatgg ctatccctat   240

ttaaaattgc tccgtgactg catgctttct atgcgccgga catacctggt actatcataa   300

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gatctacgga cgattatttc cttcaca   387

<210>   2869
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052e12a1

<400>   2869

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gtacataccc tatagaaatc gtgttaagaa atcaatagta gaatctacta aagaaaaata   180

taagcatttc ttgtttgtga attgagttat aaccattaga ggcttaatta ttctttgatt   240

tttgttgtta tggacctgtg tgtttagaag gctatgactt ttgatcttca tttatgaatg   300

tcattgattt ggggggttttt ttagcattta tatatgtgta gtataaattg tttaacacat   360

gtcttaaatc ttcagcattg tggttttggc ccttttgggc cactatccat aattgatatc   420

tatgctattt atctcaaatt cgtgatcctt gttcgctgtt cctttccttt gattttcaa   480

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<210>   2870

<211>   375
<212>   DNA
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<223>   Clone ID: jC-gmfl02220052e12d1

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ttggcccta gtttaccgga aaataaaatc cgtagcttta tgggttgact tttcccttaa   180

acaatttcaa aaaatcaaaa ataaaatttt acagcttggg aaaaatacct gaaactggaa   240

ttttcacttt ataacatact ttaatacaaa agggtttttac tctaaaaggg atgatgaaaa   300

tttggaaatt taaagccgct aaggaaaaca ggtgtctcca gttacaaaaa ttttgattca   360

cttgagctga ctttg   375

<210>   2871
<211>   552
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220052f01a1

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tttttgaggc aaacttactt gtcattcttt ctgaagtctt gtctgcaatt tttgctgaag   120

ttatgcaagg aaaaccagag ttcaccgacc acttgactca taaattgaag caccaccctg   180

gccaaattga ggctgcagct atcatggaac atatattaga tggaagctca tattgtaagg   240

cagcacggaa gttacatgag attgatccac ttcaaaagcc taaacaagat aggtatgctc   300

ttagaacatc acctcaatgg cttggaccac aaattgaagt aattaggcat gcaacacaga   360

tgattgaaag ggagataaac tctgtaaatg ataacccctt gattgatgtt tcaaggaata   420

aggcactaca tggngggaat ttacaaggta ccccaattgg tgtttcaatg ataacaccc   480

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ttctacaaca at   552

1106

<210> 2872
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052f01d1

<400> 2872

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agagtccagc gtacaaactc caaattaaaa tcagaaaaca taaagatctc aacaggattc     120

cactgagaga agagaagcag catcatcagt catcatccat acccaccaat aatccaacac     180

cgtgtggatc accatgtcta ggagagttgt ccggagtcag caacaacaac gggcttggag     240

gtcttaccgg agctggaacc caccttctcg atgtccttca cgacgtcaag gccctccacc     300

acctgcccga aaaccacgtg ctttccgtcg agccactccg tcttaacggt gcagatgaag     360

aactgagacc cgttcgtgcc aggtcccgcg tttcgcatcg atagaatgcc gggacccgtg     420

tgcttcttta t                                                          431
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<210> 2873
<211> 574
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052f02a1

<400> 2873

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tctctcttgc ccatccttgg ctggcaaggc cgtgaagctg ggcccatcag cccccgaagt     120

cgggagggtc agcatgagga agaccggcac caagcaggcc tactccggaa gcccatggta     180

cggaccagac cgcgtcaagt acttgggccc attctctggc gagcccccgt cctacctcac     240

tggcgagttc ccaggtgact acggctggga cactgctggg ctttcggccg acccagaaac     300

cttcgccaga aaccgtgagc tcgaagagat ccactccagg tgggccatgc tcggggcctt     360

gggctgcgtc ttccccgaac tgttgtcccg caacggggtc aaagttggag aagctgtgtg     420

gttcaaggcc gggtcccaga tcttcagcga gggtgggctg cactacttgg caacccaag     480

ccttggccac gcccagagca tgctcgccat ctgggccacc caagttttcc aatgggtgct     540

gttgaaggtt atcgaattgc tggtgggccc cctc                                 574
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<210>   2874
<211>   411
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f02d1

<400>   2874

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gtaaattcag cccatagtaa aacgcagcct ccatgttcat catttcattt ccctatacaa   120

attctgttag acatgacaac cttagcagaa catttagtac cagttccagg agaacacttt   180

ttggacccct tataccctac tatgaagatt tctttgccta tcatgacatt tgaagctgtg   240

ggaatgccat tactacccca gagatggaga agagtaatag catcatccac gcaggaaatg   300

gttttttgat atacctgact ttcttcaacc ccttgactct tctgatgtct tctccattgg   360

attctaattt cttttccaaa actggccttg aactcttgtc gggagacgta t   411

<210>   2875
<211>   218
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f03a1

<400>   2875

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atcagatctt cttgtattct tttattcttc ttttttttat gaagagtttg tacagtattt   120

ttaattcatg tctcgtgtgt tggaattaaa gtagatgtga aatgaagctt gagaatccaa   180

tgttttggtt taaatgaatg catctgatct gaggtccc   218

<210>   2876
<211>   277
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f03d1

<400>   2876

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aacgaaagga ccatttcagg cttaccccc aggaagggta tacggcaaat accccttttac 180

ctcaatttcg tcgaccccaa tttttcggcc agatctttag cccctgtac atgggatgcc 240

tttgtccccc gacccggttg aagctacagc ctaattc 277

<210> 2877
<211> 602
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052f04a1

<400> 2877

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tcactacaat gagaaaggct atcaatttct attcctctat tcaagcccat gatggccact 120

ggccagcaga atctgctggc cctttgtttt tccttcaacc tttggtaatg gcactctata 180

ttacagggtc cctaaatgat gttttaggac cagaacacca gaaggaaatt attcgttatt 240

tgtataatca tcagaacgaa gatggaggtt ggggattgca tatagagagt cacagcacaa 300

tgtttgggtc agcgttgagc tacattgcct tgagaattct tggagaaggg cctgaagatg 360

gtgaagacag ggcaatggct agaggcagaa aatggatcct cgaccacggt ggtttggaag 420

ctattccatc ctggggaaag ttctgggtca cggtacttgg agtttatgag tggtcaggct 480

gcaacccact ttcaccagag atatggcttt tgcccaagta cgcccccatt catccaggga 540

aaatggtatg ctactgtcgc ttaattacat gcccatgtca tacttatttg ggaagagatt 600

tg 602

<210> 2878
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052f04d1

<400> 2878

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aggtataaaa gcccaagggg tcaaaaccat aagctaagac ggccaactga ggataagctt 120

gacggagctg gagctccaga cgtaacgaca cccggacaga ataatactga cactcactgg   180

aacgactctt ccatgcttac ctcactacag cacgtaacag gcgatctagg tgaaccacag   240

atactaagac tttccgaatt ctcaggtgga caacggaacg cgacattgca aggcctgaaa   300

cgatacatcc tacacgacag tatactttct gatccctaaa gcttgtgtgc aagaccgacg   360

agcttgcacc atacgcatga actgtgacac tcaactgacc ttggaagaaa catgcgggta   420

ccctctgaac c   431

<210>   2879
<211>   117
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f05a1

<400>   2879

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gagatgtgta tgtaatcttt attcccctgt aaacgaataa tcctttgat cttgtct   117

<210>   2880
<211>   363
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f05d1

<400>   2880

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ttcatgggaa agtttacaag atgctgacct gaacagatca tgttatggag atgaccatcc   120

aaatctgaat gcacctgcgt tgagtaaggc tcggagacat tcatatgaag gatgaacagg   180

caccgactta ataggtacat ggggaaccgt ccgcttggat ccttgataat gcaaaacggt   240

ttgatcattg gagggaggca cagacttaag atgagcttca tgaaccaatg gagaatgagg   300

ctggggaaca gggctgtcgt ctaacacggg tacatgctat gattttccgg acggtgagga   360

cca   363

<210>   2881
<211>   539

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f06a1

<400>   2881

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ttaccaaaca acaagtctct tcccttagta aaaaaatatc cttctttctt cttctgaata   120

tcaatcttgc attaatccat ggcagccaaa acatccacca acggcaccca tcattctcta   180

cccgagtaca ttccaaaccg cattcctgac ccacattatg tccgcatcct ggacaccacg   240

cttcgcgatg gcgagcaagc ccctggagct gccatgacgt ccgatcagaa gctccaaatt   300

gctcgccagc tcgcaaagct tggtgtggat gtcatcgaat ggggctttcc ttcagcgtca   360

caggaagact tcaacgctgt caagatgata gcgcaagaag ttggcaacaa ctgtgacgct   420

gatggttatg ttcctgtcat tgcggcccta tgtaggtgca atgagaggga cataacgaga   480

gcctgggagg ctctcaagta tgcccagagg cccaggctta tgcctttcat agcagtgag   539

<210>   2882
<211>   542
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f06d1

<400>   2882

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accgtaagta caccacccaa gtgctgatca agccaatcat ccacaatctt gtgcttccaa   180

gatcaagcaa aggttcattt ggtttgaaac caagattgct ttgctatcac atcctcagta   240

cccatggcaa cggacatcca actgatcagg tacaatggat gttccaatgt gtggccttgc   300

aacgcttacc gctcttcaaa ctcaagcgat catgtcttca gaggtagtac tcaagcaagc   360

cttagcactg ccactgctag caatgcggcg gctctgaagt aaacttctct taggctcttg   420

tcgacctttt gaatcatttg ctcatctttc agtccaagct ttcctgcatt ctggttcatg   480

cagacaattg tatcccttag cttattaact tgccaagaaa gccaaacagc ccaaatccaa   540

ac   542

<210>   2883
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f07a1

<400>   2883

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acaacaatgg caccaacagc caagactctg acttacctgg cccaggagaa aaccctagaa   120

tcgagcttcg ttcgggacga ggaggagcgt cccaaggttg cctacaacga attcagcgac   180

gagatcccag tgatttctct tgccggaatc gacgaggtgg atggacgcag aagagagatt   240

tgtgagaaga tcgtggaggc ttgcgagaat tggggtatat ccaggttgt tgatcacggc   300

gtggatcaac aactcgtggc cgagatgacc cgtctcgcca aagagttctt tgctttgcca   360

ccggacgaga agcttcgttt tgatatgtcc ggcgccaaaa agggtggatt cattgtctgc   420

agccatctcc aaggagaatc ggtgcaggac tggagagaaa tagtgacata ctcttcgtac   480

ccaacaagag agagggacta   500

<210>   2884
<211>   436
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f07d1

<400>   2884

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tcagacaaga ggaggctgaa ccagccacat tattctatga gtcctattaa aattaagcac   120

ttgactaaga taatgacaaa agaagcacag tgcatacaaa aaccaggggg tgaaatattg   180

atcatgaaac taagcagtat gagaaggttg gtgctcttcc tggactactt catgttgctc   240

ttgctcttgc tgtggttttt ctccttgcca ggtccaaaca atgtccttaa acgctggtct   300

tatatcctgt ttaaaaagct tctggtactc catggtgtca ccattggact ttctaagttc   360

caccatatgg aaggtggggt aatctcaaaa atcttagcat caacacccaa agctgcttat   420

ctgccttcct tggaac   436

1112

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<210>      2885
<211>      443
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220052f08a1

<400>      2885

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acttgcagta tgctatggcc ttatctgtct tgccatggga aaagggctag cctgggtgga   120

gcgagtttat ggcgttccat tgcttgtggt cactggattc tcgacgtcga atacatttac   180

gcaatacact taccctgcat tgccacacta cacttgctgt aagtgggact ggttgagagg   240

agctttagca acagtggata tagattatgg aatactgcac aaggtcttac ataatattac   300

agacactcat gtcgctaatc acttgtgact ccacattgcc acattatcat gcaatggatg   360

cgacaaaggc aatataccccc atcttgtgag cgtctcctcg gagcagatgg gactacattt   420

gtcaaggcga tgaggacaga ggc                                          443


<210>      2886
<211>      508
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220052f09a1

<400>      2886

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agagtcctga aattcacaca caaacacaac agtcttctcc tttctcttca cacattccat   120

atgcgagcat gattctattt aatacccata ctacgtgaaa cactagacac acatgattgg   180

gtcttggagg aatctttcat catgtggtgg ttacagccct atgttcctcg taatcctcag   240

tgtcgtcgta cgttcacgat tctgtggctc ctgtacaaaa cgggattgat gcacaccata   300

agaatacgct tcccaagggt cgtggattgg ttccacgtgt accagctcct gacagtaccc   360

gaatttacac taaaccaata tgcagccgaa taacctttag cgcaagacac tctctatctg   420

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agcgacatcg gtctgcgcct tgacccga                                      508
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1113

<210> 2887
<211> 417
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052f09d1

<400> 2887

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tagcgggcct tctcttccgc tattatttac aagccactgc ccaaaaatat atatcatgaa   120

acacaaaagc ctatcttaga cgtggaagca gagcttgata aactctcctg cggtagtaat   180

gagcttcgca gtcaccatta ggatttgggg tacaagaaat tttttgggga ggtggttgtg   240

tttagatgac tgttccacta ggaattaaag catccttgat tactgtgaca atcccacttt   300

ttatgaaata cccatctgtt tcccttgcag cttcttggac attgtcactg ttaataatct   360

tgacattttc cccaattcga gcattcttgt caataattgc ccttttgata tgagagt   417

<210> 2888
<211> 525
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052f10a1

<400> 2888

gcaacatcat gcaattttta attgcttcca tcaagaagga tagacaaatg gaagctctcg   60

tggaaaagct atgtcatcgg tttagtggtg ttacagatgt tagacaatgg aatatatat   120

cttattgtct ctctcagtta tcgtttactg aaaaagggat gaaaaaacta atagagttat   180

ttaagtccta tgaacatgtc ttgtcagagg attctgttat ggaccatttc aggaacatac   240

tgaacaaggg aaagaagttt gcaaaacttg aacttaaagc ttgcattgaa gagtttgagg   300

ataagctgaa taagtttcac acagataaaa aggaacagga agttactgct cgaaatgctc   360

aaatccatca acagaagatt ggcagcaggg aaggttttac cgtgactata aattctgaag   420

atcacttgtc atctaattct tcttcagatg aaacagaagg tgaataatt gatgcttaca   480

ctgaagaggc aactatgcct ctaaatgaga gatcacgatc taaac   525

<210>   2889
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052f10d1

<400>   2889

acgaaataaa gaaacttgtt ttattgaatt gattaacgaa ctttacagcg tgattgctca   60

tagcgggcct tctcttccgc tattatttac aagccactgc ccaaaaatat atatcatgaa   120

acacaaaagc ctatcttaga cgtggaagca gagcttgata aactctcctg cggtagtaat   180

gagcttcgca gtcaccatta ggatttgggg tacaagaaat tttttgggga ggtggttgtg   240

tttagatgac tgttccacta ggaattaaag catccttgat tactgtgaca atcccacttt   300

ttatgaaata cccatctgtt tcccttgcag cttcttggac attgtcactg ttaataatct   360

tgacattttc cccaattcga gcattcttgt caataattgc ccttttgata tgagagttcc   420

tgcctatacc aattgggaca ctgcctttgg cagccagaaa cctcttatca gcctccgtct   480

cgtaataatc tggcccccatt aataac   506

<210>   2890
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052f11a1

<400>   2890

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cctcaccggc aagaccatca cccttgaggt ggaaagctct gacaccatcg acaacgtcaa   120

ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca ttttcgccgg   180

aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg agagtactct   240

tcacctcgtc ctccgtcttc gtggtggcat gcagatcttc gttaagacac tcaccggcaa   300

gaccataacc ctagaggttg aaagctccga caccatcgat aacgtcaagg ccaagatcca   360

ggacaaggag ggtatccccc cggaccagca acgtctcatc ttcgccggaa agcagctcga   420

ggacggccgc accctcgccg actacaacat tcagaaggaa tcaacccttc acctcgtcct   480

acggtctcgt ggtggcatgc   500

<210> 2891
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052f11d1

<400> 2891

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atgtaactat gaactatcaa tatacgatcg ttaataagtc cgaggtacac acacttaagg     120

ccatggtaca cttatgtgat caacaacaac ttccccctta ttggatacat tatgccaaaa     180

ccaggtagga gcattttccg taatacaaaa acccttatct ttggcatgat ttatcaattc     240

tggcatcagg atacgctcta aactctgatg catgacaagg aggtagccac caggggccat     300

attgatatgc aaacaatgcc acaatcggat aggatgcact attcgcgtga ccacacatgt     360

tctgacacaa ttacctcttg aagaagccat gttcacccca gctctgaacc catgaatttc     420

ttatgagcca atttgggaca cccttttta                                       449
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<210> 2892
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220052f12a1

<400> 2892

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accgtctgaa gtgcagcaat ggcagatgga ttgcattcgc agcatccatc ggtagttcag     120

aagttatctg acagtctta tcttgtgtcc aggcttgctc ctaatcactc cagaaactgt      180

tctaccactg gtagttactt caatggaggt ttgcagtctt caggtttggt tccagtcacg     240

gcacacgcgc cggctgagaa aggggtgtct ggatttttgt tggatttcct gatgggcgga     300

gtgtcggcgg ctgtgtccaa gacagctgcg gctccaatcg aacgagttaa gttgctcatc     360

caaaaccagg atgaaatgat caagagtggt cggttgtctg aaccatacaa aggaattggc     420

gattgtttca ctcgaaccat gaaggatgaa ggggtgattg ctctttggag aagaaacact     480

gctaatgtta tcagatac                                                   498
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1116

<210>   2893
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052f12d1

<400>   2893

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caagagattg aagaaaacaa tggtaataaa tttaatttta gcccctcgac agggtccaat   120

actgacactc aatgatacaa tagtactatg taacagcagc actgaagcct aagcctctgc   180

tctagaagaa caatacatgg gcagcccagc tcatggctca tcatccaatg accttattca   240

agcacctgat ggttgcagct ccactgtgga cctaagatac agctggacca ggagacatgg   300

aatgctggct tgatcccgga gctcctaccg gaggaacggt agggccaagc aatgacggcg   360

actgtgctgg tgcagtgagc ttcatactct attttgtcta cttctttgac ttgtgagcgg   420

ctgccggaac ctgagcgctg tgtgctacca cgggtgcggg agacgt   466

<210>   2894
<211>   490
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220052g01a1

<400>   2894

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ccgcttgtaa ctccatctcg gtgtttgatt ctctgcttct tccttcattc cccttcggaa   120

tcgatcgatc catcttcctc ttccaatggc aaccccctacc gacaataata acaaccctgc   180

acaggaaaac cctaacaaaa ccctagaccc caccgaacca gatccaatcc ctgccactga   240

ggacgccacc gccactaagg gctccgacgc caaggacccc gccgacgccg acgccgacgc   300

cataacttct ccgccgcccg attccggaaa cgacgctccg ctctccgata ttcagaagaa   360

gatgcgccgc gccgagcgat tcggcatttc cgtccagttg tccgagaaag agaagcgcaa   420

ttcccgagcc gaaagatttg gcactgtctc cgcatcgcan ggatcagagc catcaaaatc   480

ggaggatctg 490

cattaaaaaa atatttctta taatgccgtg ttcaactcaa ggcaattaca cctctcatgc   60

cacggtcata ctattcaaaa caatttttac aagacaccaa tatgtatata tatagctgaa   120

gaccccacac cctaaactaa attactgtgt gacttgcact tcagcaattt cattaattga   180

tcgtcgccat atccttctag gagacgtact tctcttcaca gaataaaatt ttggttcttc   240

caactgaatt tctagattgg acaaatctaa tgttagcttt tgcttaatga aagcatccaa   300

atcaaagtca ctttttccat ttgcatcatc atcatcctcg tcttcactag aagaatcaac   360

tctgttttta tttgttcccg caatgttcct caaagaatcc agtggcatgt tgtacgaatt   420

tgggttcagc ttgaggattc tctttaaact gtcaatagcc gggtctaaaa tacctaggaa   480

tcccataacc catgaagcat catctacaac ttct   514

ccagtgttgt tacttgtgag acttgttctg catttggtgc ttcattgtcg cctccagatc   60

caactaactg cgttcaaccg gacccagaaa aagacccttt ttgcccacca cccccttca   120

aagactacga gctccctcca cacgatgaca agacattacc ccttcgaatt agaccagctg   180

ctcatttggt cactgatgat tacatagcca agtacgagga agccgtgagg cgcatgcaag   240

accttccacc tgatgatcct cgcagtttca tgcaacaggc caatgtccac cgtgcctact   300

gcgatggtcg cggctatact caaaagggct tcgctgacta caagcttgac gttcacggct   360

cctggatatt ctttccttgg caccgctggt atctctattt ctatgagaaa atcttgggga   420

agatgatcgg tgaccccact ttcgctcttc cgttttggaa ctgggacaat cccgncggca 480

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<223>   Clone ID: jC-gmfl02220052g02d1

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gaccccacac cctaaactaa attactgtgt gacttgcact tcagcaattt cattaattga 180

tcgtcgccat atccttctag gagacgtact tctcttcaca gaataaaatt ttggttcttc 240

caactgaatt tctagattgg acaaatctaa tgttagcttt tgcttaatga aagcatccaa 300

atcaaagtca cttttccat ttgcatcatc atcatcctcg tcttcactag aagaatcaac 360

tctgatttta tttgttcccg caatgttcct caaagaatcc agtggcatgt tgtacgaatt 420

tggg 424

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<211>   528
<212>   DNA
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<223>   Clone ID: jC-gmfl02220052g03a1

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taagtttgcc acatcctagg ggagatgagt ttggtgccgt tagtagagtc gtcttgcccg 180

cagaccaagg tgctgaaagt acaatttggc taattgccaa ggcatatgtt gttgtcaatg 240

actcctgcta tcatcaactc atgagccact ggttaaatac tcatgctgtg attgaaccat 300

ttgtcatagc aacaaacagg catcttagtg tgctccaccc tatttataaa cttttgttgc 360

1119

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ctcactatcg tgacaccatg aacatcaatg gactcgcaag acaatcactc atcaatgcaa   420

gtggcattat tgagcaatca tttctgcctg ggccatttgc tgtggagatg tcttcggcag   480

tttacaaggg gtgggttttc actgatcaag cccttcctgc ggatctta              528


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<223>     Clone ID: jC-gmfl02220052g03d1

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actctgtgtg gaccctcccc tccttccagc taaggcttag gttttcccct tacagaagca   180

atctaagttc tgaccatttc aggccaagta tacttaacta ctatatgaca tgtagacgtt   240

tacaataaac aaaggctatt ttgcctgagg aaataagatc catcagtagc aacagagaat   300

caaaaggtat acatattttg atggatcaac tgcagccatc cagcacccca agtctcagtc   360

caggttcagc ttgaaactac actggtcaag ccacagaaca tgctaaatta gacaaaaata   420

atggcgccac ttttgattaa cttatcaact a                                  451


<210>     2900
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<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220052g04a1

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cattgtgcgc ctcttccata tccatggtgc taaaatatgt atagctgatg tgcaagacaa   180

ccttggaaag caggtctgtc agtctcttgg tgatgaagca aatgttgttt ttgtccattg   240

tgatgttaca gtagaggatg atgtttccca tgcagtggac ttcactgtgg gtaaatttgg   300

caccccttcac atcatagtca acaatgccgg aatttctgga tcaccttgtt ccgatatccg   360
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caatgcagac ttatcagaat tcgataaggt gtttagtgta aatacgaagg gagtgttcca   420

cgggatgaaa cacgctgctc gaattatgat cccgaagaag aagggctcaa tcatttcttt   480

atgcagtgta gcaagtgcca taggtggctt aagaccgcat gcatacacag ggttcaagta   540

tgctgtattg gggcttacaa agaatggtgc agcttaattg ggg   583

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052g04d1

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atctaagttc tgaccatttc aggccaagta tacttaacta ctatatgaca tgtagacgtt   240

tacaataaac aaaggctatt ttgcctgagg aaataagatc catcagtcgc accatagaat   300

taaacgtgtt tacatatttt gatggatcaa ctgcagccat tcagcaccac aagtcttatt   360

ccaggttctg ctcgaaactt cactggtcag gccacagaac atgctaaatt acacaaaaaa   420

taatggcgcc actttagatt aacttatcaa ct   452

<210>   2902
<211>   587
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052g05a1

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acttgggctt ttgatcacat caaatacttc aatggaggtt ctgagattca acttcatctt   180

gacaagtaca ctggtactgg cttccagtcc aaagggtcat acttgtttgg tcacttcagc   240

atgaacataa agatggttcc tggcgattca gctggcacag tcactgcttt ttatttatct   300

1121

tctcaaaatg cggagcacga tgagatagat tttgagttct tggggaacag aacaggacaa   360

ccttacattt tgcaaacaaa tgtgttcacc ggaggcaagg gtgacagaga gcaaagaatc   420

tttctctggt ttgatccaac aaaagcatac cacagatact ctgtgctgtg aacatgtat   480

caaattgtgt tcctagtgga taacatccca ataagggtgt tcaaaaacct aaagggcttt   540

ggagtgaagt tcccctttga ccaacccatg aaggtgtaca acagctt   587

<210>   2903
<211>   163
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052g05d1

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gtctgtgtac actttgacag ctatatacga tgcggaagcc gaa   163

<210>   2904
<211>   592
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052g06a1

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ttattcggag tgtttgggtt gcacgtagac cacctggtta tgcttttatt gactttgatg   180

accgcagaga cgcacaggat gctatccgtg aattggatgg gttttcctca actagctagc   240

taagtcttct ttttggccta tggggcaagc agatgctgct ctctctttct tctacttctg   300

ccttggcctg cagtcatggt tttttcttgg ttgtgtcttc gtcaaagtct gctgctttgt   360

acagattgac tacttctact actactgcat gttaagagaa tttagaatgt gaacacaggg   420

gatttgcact gctatcgcga gctacacttc tgttgcatta tgggttcgtt tatgagatat   480

gtgcttctac acttaaccta tggggaccat gtgcgtgctt gccttgtgct gtatatgttc   540

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<210>      2905
<211>      278
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220052g06d1

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actggaccat tggctcccac atatctgttc acccaagact ctaactgcgc gggagtatac   180

ctgcaggtat gtgcacactc cgacagcctc atacgacgcg gacggcgata ccaccagcac   240

gcgctgatgc tcatagagac atagcatctt tggctatg                           278


<210>      2906
<211>      514
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220052g07a1

<400>      2906

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acgagttcca gcgccaaacc tctctcatga ccagctgcac cctcctctgg aaggagctct   180

ccgaccactt ctcctccctc gagcaagacc tcaaccacaa atccgaagcc ctcaagcgca   240

agattcacac cctcgacaac tccacctcgg actccctccg cctcctcgac caccgcgaaa   300

cctctctcga cgccactctc cagatcgccc tccgcacgct cgacacgcgc cgcaccgctg   360

ctctctccgc cctcctccac gacgctgacg acacctnccc cgacggcgag gtcgatgaca   420

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tcgccttcgt cagcgccaag aagaaggagc tgga                               514


<210>      2907
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<211>   467
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052g07d1

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ttgactaaga taatgacaaa agaagcacag tgcatacaaa aaccaagggg tgaaatattg   180

atcatgaaac taagcagtat gagaaggttg gtgctcttcc tggactactt catgttgctc   240

ttgctcttgc tgtggttttt ctccttgcca ggtccaaaca atgtccttaa gcgctggtct   300

tatatcctgt ttaaaaagct tctggtactc catggtgtca ccattggact ttctaagttc   360

caccatatgg aaggtggggt aatctcaaaa atctcagcat caacacccaa agttcctttc   420

ctgccttcct tggaaccttc caatttgagc aagccttcat cttttct   467

<210>   2908
<211>   494
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052g08a1

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ttccccatcc ttggctggca aggccgtgaa gctgggccca tcagcccccg aagtcgggag   120

ggtcagcatg aggaagaccg tcaccaagca ggcctcctcc ggaagcccat ggtacggccc   180

agaccgcgtc aagtacttgg gcccattctc tggcgagccc ccgtcctacc tcactggcga   240

gttcccaggt gactacggct gggacactgc tgggctttcg ccgacccag aaaccttcgc   300

cagaaaccgt gagctcgaag tgatccactc caggtgggcc atgctcgggg ccttgggctg   360

cgtcttcccc gaactgttgt cccgcaacgg ggtcaagttt ggagaagctg tgtggttcaa   420

ggccgggtcc cagatcttca gcgagggtgg gctggactac ttgggcaacc caagccttgt   480

ccacgcccag agca   494

<210>   2909

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<211>      510
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220052g08d1

<400>      2909

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tatcagtcac tttatgtgtt aatattgtag ctgccatgaa acttgcagaa aaagttatca   120

cgaaaacaaa ctggttgcac gataagtagc tctccaaatt acacagacaa ataaacctaa   180

caattgtccc acatgtcata ctcatagtcc aaaagcacat attcctcaag atgaattgtg   240

aaaataccag tttgagcttg caagaaacat tgtatgcatc tgatgagaat tcaacccaag   300

ttcaatcttc tatttgataa aatgaccatg agcatgatag agctgtgata aggagcagct   360

ttcacttggc attagttact atcagcaaaa ctgaaactca cctgcaaggc tcatgtagag   420

gatgaatcgg aggcaacggc ctcttgtctt ggccttctgc gtcaggggga gggccatctc   480

tccgtctctc ataccttcta ctctcattct                                    510


<210>      2910
<211>      572
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220052g09a1

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caagtccatt tttttcgctg attccttcaa gtctaactgc ctcacagcaa aattctcagg   180

tgggtttgct tttaagagaa aagagcgtag agcagcatct ggaggacggg tttattgctc   240

agtgcaggca acaccaccac caccagcctg ccgggacga gcggttccgg aacaaggtcg   300

caagacttgg gatggaccaa aacccatttc aattgtgggg agtactggtt caattggaac   360

tcagacacta gatattgtgg cagagaatcc agataagttt aaagttgtgg cacttgcagc   420

tggttcaaat gttactcttc ttgcagacca ggtaaaaaga tttaagcctc aacttgttgc   480

tgttagaaat gagttcctaa ttgctgaact tgaagaggcc tngcatgatg tcgaagaana   540
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acctgagatc atccctggag agcanggaat ca   572

<210>	2911	
<211>	578	
<212>	DNA	
<213>	Glycine max	

<223>   Clone ID: jC-gmfl02220052g09d1

<400>   2911

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ttacctaatt caaaggcaaa acctaaagtt aacactaaga aaaataaaag catttttatt    180

aaaccaaata taccgttagc gtacgcactt acaacataag ggtatactaa tagtatttct    240

aaattaaatc ataagaataa taaagcaaat atgaaaaatg atatactgaa ttcacttcta    300

ttttgtccta aaaatgaatg atatccacac tcgaaagcac tgtctttttc ttcgtatggg    360

ttatgtgggg caaagattaa atttacagct aataatatta ttgctaatat aggtatagaa    420

tgtagaaaaa atgtttgact cgtcatgtaa gctttaaata atataagact aagaatacta    480

actatattaa atcattctcc tggtatatat ataaataatc taagtaaaag agtttaaacg    540

gaaatagtgc tactgaccgc actgtatatt gcaatatt                           578
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<210>	2912	
<211>	550	
<212>	DNA	
<213>	Glycine max	

<223>   Clone ID: jC-gmfl02220052g10a1

<400>   2912

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tccgtctttt cctcacatgg ttgcggtagt agtgcttttg aactgcctcc agctgctcat    180

acccgcgaat tgactgatgc ggaggttcag tctcgggttg tcattaatga gatcctgaac    240

tattatcctg tgcaaaccaa gaaacctaaa gttgcttttt gtttttgac tccgggctcg     300

ttgcctttcg agaagctctg gcacatgttc tttcagggtc atgagggaaa attctctgtt    360
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tatgtacatt catcaaagga aaaaccaata catgtcagcc ccttctttgt tggccgagac    420

attcacagtg aaccggtagg ctggggaaaa atttctatgg ctgaggcaga acggagactc    480

tcggcacatg cactttttaga ccctgataac caacattttg tcttattggc tgaaagtcgt    540

atacctgtgc                                                          550


<210>       2913
<211>       74
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220052g10d1

<400>       2913

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aaaatggtgg acac                                                      74


<210>       2914
<211>       512
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220052g11a1

<400>       2914

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aattccccccc aaatctcacg cctagggttt ctatcgcaaa ccctccctac ctccaaccag    120

gtcgcgtgca aagggatttc gaagcttcgg aagaaaaaaa tgaaacctgt tttctgtgga    180

aacctggatt tcgacgcgcg tcaatctgac gtggagaggc tcttcagaag atacggcaaa    240

gttgatagag ttgacatgaa atccgggttt gcttttgtct acatggaaga tgaacgtgat    300

gctgagtatg caatcagaag gcttgataga acagaatttg gtagaaaggg tcgccggatt    360

cgtgttgagt ggactaagca agaacgtgac agtagatgat caggtggtga ttccagaaaa    420

tcttcatcta attcaagacc atccaaaact gtgtctgtta taaattttga tcctggtcat    480

gccaggacac gggatctgga gagacatttt ga                                 512


<210>       2915
<211>       447
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1127

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052g11d1

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ccataatata cttatgtgat ttacaacaac ttctagctta ttctatacat catgccaacc   180

caactaggag caattttcat catacaatta cacttatctt taatcatcat tcatcaatac   240

tggcatcagc aatacgctct aaactctgaa gcatgacaag gtggtagtca ccagggacca   300

tattgttatg caatctatgc cacaattgga taagatgcac aagttgcaac accacacatg   360

ttcttaccca attccatctt gcagtagcca ttttcacccc agctttctac ccatgaattg   420

tttatgagcc aatatgggac accattt   447

<210>   2916
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052g12a1

<400>   2916

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aaattgggtg gttttcgatt gaactgtgat gtccaagcca ctgctaggca tagcggaaga   120

ggaaggtcaa agcaatgtca ctttgttggt ttcttcctca gccaccatgg aaagtgtgtg   180

cctgaatagc tcaaaactga aagagcgcaa ctacatgggg ttatctgatt gttcatctgt   240

ggacagctcc gcgccgtcct tctcagatga gactaagagc aatctgaacc ttaaggctac   300

tgagctcaga ctggggctta cggggtcgca atctcccgaa cgagattcag atctttgctt   360

gagaagttcg attcagtttg atgaaaagcc actgtttgct ttgcatcctg caactgatga   420

acaccattcc tcatcaaagc ctgctgtttt gggaaacaca agagggttct caaatgtcat   480

gagtggattc gccgatgaga aattgcttgt tagttccgaa gtccacacaa ta   532

<210>   2917
<211>   429

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052g12d1

<400>   2917

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agagattgaa gaaaacaatg gtaataaatt taatttttagc cccccgacag ggtccaaaaa   120

agacaataaa tgatacaata atactatgta acagcagcaa tgaagcctca gcctcttctc   180

tagaagaaca aaacaagggt agcccagctc aaggctaagc atccaatgac cttcttcaag   240

cacctgatgg tttcagctcc actctcgtcc tcagatacag ctggaccagg agacatggaa   300

tcctggcttg atcccggagc tcctaccgga ggagcgggag ggccaagcaa tgacggcgac   360

ggtgctggtg cagtgtgctt cttactcttc tttgtcttct ctttgactt gggagcgggt   420

gccggaacc   429

<210>   2918
<211>   561
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052h01a1

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ttcatatggg tcagcaccat gctgccaagt tgtgaactca aagtggaaat tagttgaaaa   120

gagtttgagt tcacgtcaat caagagtttc ctctatagga aaacttggag tttattacac   180

aggtactatt tctgcatgtg cgcctgtgag attttatgag atgggtacta gggtgcagct   240

aagaagctca aaaagattca atttcaaggt ttgtagtgga agttatgatg atggttatgt   300

gattggtgaa gaggaagcaa gggatatttc agggttagag gagcctgtaa caaccaaggt   360

tctgattcca ggtctgcctg atgattcaaa aggtgaatct ggtgctccaa taagtagttg   420

tttctgggga tgaaaaccta aactcaatgt gcactatgag aaggctcggt gcgaaaacgt   480

caatgatttg cctcgtgttc tcttttacca ggttttggcg ttgctctttc catatgagaa   540

agcacttaag gatttgggcg t   561

<210>   2919
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220052h01d1

<400>   2919

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gaccccacac cctaaactaa attactgtgt gacttgcact tcagcaattt cattaattga   180

tcgtcgccat atccttctag gagacgtact·tctcttcaca gaataaaatt ttggttcttc   240

caactgaatt tctagattgg acaaatctaa tgttagcttt tgcttaatga aagcatccaa   300

atcaaagtca cttttttccat ttgcatcatc atcatcctcg tcttcactag aagaatcaac   360

tctgttttta tttgttcccg caatgttcct caaagaatcc agtggcatgt tgtacgaatt   420

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aaagcaggtt cattcaagca cacagctgga aaatgggctg gtgatccaga tgacaaaggt   240

attcaaacat ccagtgatgc caaacacttt gccatctctg caaaaatacc agaattcaca   300

aacaagaaca gaacattggt ccttcagtat tctgtaaaat ttgagcaaga gattgaatgt   360

ggtggagggt acatcaagct tctctctgga tttgttaatc aaaagaagtt tggtggggat   420

acaccatata ttttaatgtt tggaccagat ttatgtggca cggatacaaa gaagcttcat   480

gtgatacttt nctaccacgg tcaaaattac cccataaaga aagacctgca atgtgaaact 540

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<223> Clone ID: jC-gmf102220052h02d1

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ccaattgaat taattgatcg tcgccatatc cttttcggcg acgtacttca cttcgcagaa 240

tgaaatgctg gatcttccaa ctgaatctgt agaacggaca tatctaaggc cagctttcgc 300

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acctgaagga acagcacatg atcaagttat tcaggaatgt gcaaaagaga ctggtgtgcc 180

tcaagttcta tgtgcatcat ctgataaaca gagtgatggt gttacagttt ctttagataa 240

ggatggcacg gatactgagc atgagaatcc tgacgagtct tcctcagaaa aattaggagg 300

tggaagcctt ttccaaactg acaaggacag aaatcaagtt gaggcttgtg ctaatcagaa 360

cacccaagtt tctgaggtga taaatggtgg tccgaataat acattgacta ctgctgaaga 420

tctaaatgag aataatgcat ctaaagatga aagaaggtca actcctgagg taaattcagt 480

1131

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gtatggcggt gattgcaaat atttctttca tggaggggaa tatttagtgt caagcattga   240

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052h04d1

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tataaaccta aactaccaac c   81

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caacattggt gccgctaagc cttgctctta accaaaaacg cctttgctct tcctcgttac   180

tctgactctt ccaaagtcgc ttatgttctt caaggtagtg gagtggctgg aatagtgtcg   240

cctgaatcag aagagaaggt tgatgcaata aagaagggcg atgccttggc actccccttt   300

ggtgttgtga cctggtggta taacaaggaa gaaactgagc tggttgatct gttccttggg   360

gacactttca aggctcacaa ggctggagaa ttcactgact ttattctgac tggttccaat   420

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agagtcatgt caagaccctt tgttggaaaa ctaaccagcc caagggattg tgcagctgga   540

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aagaaaggga aagggtcaat cgaagtcgca caacgaagtg ccttgttcct tgccagtctt   180

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gaacgataag cctttgacct aatacaaata atgaatgcct ccattaagct cactgaccct   300

tgataactcg ggaatgttaa ttctttccca cccttattgg gggggagttc tgggcttaaa   360

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<223>   Clone ID: jC-gmfl02220052h06a1

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1133

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tccaagacag taaggactga agcaccttct caatctattg ctgcaacaag gctccttgct 240

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actttttgagg atgtttttcc tgttgaggca acaagcgttg aagagtatct gcagcaggtt 360

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aatgattata tgatgaaagt attagaggag gatcggcaaa aagaaaagcg tgattttctt 480

cagagtttaa gtcgaatttc aacattacct acgacaaaca ttgctgctaa cagcaatgtg 540

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052h06d1

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tttagctcca gttcatatct caggtctggg ctcataattt ccgcagctca agccaccaag   180

ggcgagtgca agacaaactt cttccacatt gcggatgctt cgtgcgccaa agaaagtgag   240

caccgcttat gccttcttcc ccttgacaac aatcttgccg tgctcgcact tgagactgat   300

ctcctcgccg aaggtgtagt agccgtactc gtgctctggc tctggctctg gtttgggcgt   360

aggcttgggc tcgggctggt gctcgacggg tgggggtggg tgaggagcac gggtaggctt   420

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cacccaacac ccgcgccctc ccgattacgc ctccctccag cgcctcgtct tagagcaaaa 480

agaacatgac cgcgttaggg ttttcgaaat ggag 514

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220052h07d1

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acataaaaaa ttgtttattg ttttttctag acaggcgaac tggttcgata acaaatattt 180

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taagttctgc ctccatctat gtcttgtctt tcttttttctt tataccctta ctattctttt 480

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1135

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ctgcaaactc atcgacaaat ccctcctcca tgactccacc gaccgcgact gcctccagaa  180

cgaacccaaa ttcatgaccc tcctttcacc tcacccaaac atccttcaaa tcttccatgt  240

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cgaccgcatg gtcgatggtc ccatccagga gtcccaagcc gccgccctca tgaagaacct  360

tctggaagct gtcgcgcact gccaccgcct cggcgtggcc caccgcgaca ttaaacccga  420

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gggaaatatc caaatacatg tcttattctt ttaaataatc catatttgta gcaatgaaat  180

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ttaaagggcc agaaatgcct tgcttacgta tcattaaaaa gtgcattaac ctaaataccg  300

ccgtaagaag aggtaataca aaagtatgca aactattaaa acgagttaag gtagattgtc  360

ccacactgga acttccgcgt ataacttta ccaaagacga tcctattaca ggaatagcgt   420

cgggtacgcc tgttacaatt ttgactgccc aataaccaat ttgatcccaa ggtaaggaat  480

aaccggtttc accaaaagat gcagtcaata cagccaaaac ttcacccgga acccaagtta  540

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tgatggcctg aagccccagt atttgccacc caatgatcgc tagactgtgg gggtttattg   180

tcaagggact gctatcttgc ttagtatcaa tcccaatctc tggcatccat tatcccttga   240

aatgaccgag ccttcggcag gagtcttcga ggataacccg gacctcacat tgaggctggg   300

acaggggctc ctgtcgggcg gcctacttga actgagctcc taacaatgag cctgcttact   360

ggcaccgggt acagctcgca ttgagaacgg accggcccct tttttgaccg acaagtcccc   420

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aatttccgat caccattatg gaatggatca cgagcgttac gtttctaccc tcgccaccaa   180

gggagttggt cacctcgttc gtaagggcac tggtggacga tcctccgtca gtggcattat   240

tgctacagta tttggggcaa ctggattctt aggtcgttat gttgtccaac aacttgctaa   300

aatgggatct caagtcctag ttcctttccg aggctctgaa gataatcccc gtcatctcaa   360

attgatgggg gatttgggac agattgtacc catgaaatac aatccaaggg atgaaagttc   420

agtaaaagct gtgatggcta aggccaatgt tgttatcaac cttattggaa gggattatga   480

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<211>   478
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aaatagaatt ggcaaaaata aaaaaaaaat tcaataaaat caaaattatc gcgggcgaat   180

atttactctt ttattatcaa tcaaattcag atgtaatgta gggcacaact cctaaaaaaa   240

ggattgcttt ttggtttctt ccgccatccc acctaatgaa tcattaagat ttgtttttaa   300

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<213>   Glycine max

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aagggaataa tgggtatcca gagcatatga tttttgatcc tcagtatcct ggttggtatt   180

atgacacaat tgcccaagaa tggcgttcat tggaaactta caattcaacc atccagtctt   240

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ctgaatctct gattttacat tgaaaattat tacgattaca caatagacac atccaaaagt   180

agaaactgat caatcctttg gtgaggggat tgaaatgaaa attacataga catattaagc   240

agtgggaaga accttattaa caatctcctg gctaagagct gcaatctggg aatcaaggga   300

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<223>   unsure at all n locations
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tcaaaagtta caaatttaaa tgaagtgctt atatctctta ttagtactat tgtatgtaga   180

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ttcaatgagt gtgaagctat gttgggtaac ttctttgttt cagattatat tcctttcatg   300

ggttggattg ataaactcag gggactggat gcacgtcttg aacgcaattt caaggagatg   360

gataagttct accaagaagc cattgatgaa cacatgaatt ctaagaaaaa gactccagag   420

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<210>   2939
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<223>   Clone ID: jC-gmfl02220052h12d1

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agtacacttt aaaataaatg atatgatttt taattttta atccatattc ttaaaataat   180

aaagaagatg aaggtgaata gatcttaaac aataggtgat ggcgacgctg ggtggtgctg   240

aacacacgcg gtgatggtgg tggtgaatgc atgacatggt tgaggaggca gagaaagagt   300

tgggcggaca tgaagaagaa gcataagcgg aagtgaaacg tagaaagaaa atcgtatctc   360

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gagcaagggc ccggggatcc ctggggggga aaatcgaaca aacgggaggg gaaagaaccc   180

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1140

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<223>   Clone ID: jC-gmfl02220053a02a1

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aaagtgggtt atttacactt ctcttgtatc aactgatcga caatacatgc gtaatgtcat 360

aaccgtagat acctcatggc tattggaagc tgctcctcac ttctatcagc tacagcaatc 420

taatcatctt cttcgctgat cgccgtaag ctaattaact gtgtctgatg cgaagcaaag 480

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caaccaccat accatcttca tctattaaaa atatacaata ctgctatata ctaataagct 180

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acagttaaaa ataaagaata cttacagtaa tgtacctata ctatcatttc tttgtactta   240

aattatatga tttgtatata tcaagcggat ataccattat acccccgtg tcaaaattct     300

gcttcgcatg aaggtttctt aagtttctag gctatgctca gaataatgaa tgattggaac   360

atgaatcagt tttgctcaga aaaactttga ggcttactgc tggcaaacgc caaccatatg   420

atggtaccag tcacattgaa gaagatcgat ggtgcaaata gtgatatact ccatgaatg    479


<210>      2944
<211>      506
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053a03a1

<400>      2944

cttgagtaaa aatggaaatt gcataaaggg cagtgttttt cttgagacgc tttctttata     60

ttaaagtcgt atattttaat gcatgctgtc gagcttttgt tactttgtga caaatggagg    120

gtccttagtt ctgtttctct ttcttctctc tgtgctttca accaagttct caaatcactc    180

ttcttcttca cccttctgat ctgctaattc tcaaggtatt caaaattggg tggttttcga    240

ttgaactgtg atgtccaagc cactgctagg catagcggaa gaggaaggtc aaagcaatgt    300

cactttgctg gtttcttcct cagccaccat ggaaagtgtg tgcctgaata gctcaaaact    360

gaaagagcgc aactacatgg ggttatctga ttgttcatct gtggacagct cgcgccgtc     420

cttctcagat gagactaaga gcaatctgaa cctcaaggct actgagctca gactggggct    480

tccggagtcg caatctcccg aacgag                                         506


<210>      2945
<211>      531
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220053a03d1

<400>      2945

gcaagcagta acattgtact gtaaagataa gtatttaaat aatcttagct gtctgctacc     60

aatatgtttt gagggtttaa aaaaaaaaca aaaatacccg aatcatatat tatatggtcg    120
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1142

ggttcaatcc aaaatttcag acattttaat acaatcttaa gaacctggca taccttaacc 180

cagctacaaa tttaaaaata atactacagt ttaggggaga gcaataaaat ccatcctact 240

tcaacacaca gttctgctaa taagccccgt taggaagcac cttgaattgc agcagcaggt 300

tgcatggcta tatcctgatt ctgtctcaca gcaaatccat ggccaccata accctgatga 360

ccaccataat ggcctccatt ggaatcagat ctccaatgct tatttcctgg actgcgaccc 420

caagaaagac ccactgtctg cttnccatta ctgtcccatt caatccctga atgcttnctc 480

agcattcttt ctgtcagcaa attgaacaaa ttcacaccct ttaccaactg g   531

<210>   2946
<211>   576
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a04a1

<400>   2946

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tcctcagttg tgtgtatgca caagacacaa caacccttgt gcctgcaatc ataacttttg 120

gtgattctgc tgtggatgta gggaacaatg actatcttcc cacccttttc aaggctgatt '180

accctcctta tgggagggac tttgttaacc accaacctac tgggaggttt tgcaatggca 240

aattagctac tgatttcact gctgacacat gggtttcaa gacctatgct ccagcatatc 300

ttagcccaca tgcatcaagg aaaaacctac ttattggagc aaactttgct tcagctgcat 360

ctggttatga tgaaaatgct gctactttga atcacgcgat tccgttgtcc caacagctga 420

gttatttcaa ggaataccaa ggcaagctgg ccaaggtagc tggcagtaaa aaagcagcct 480

caatcatcaa tgatgcgttg tatgtgctca atgctggaag cagtgacttt gtgcaaatta 540

ttatgtaatt cttggatcac aaattttcac ttctga   576

<210>   2947
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a04d1

<400>   2947

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gtagtcaaaa taattgacat acttgtctac atcaaaagtt gacgaggaaa agtaaacctg   120

cgtagctagc tagctgtccc atgtacactt ttatttaaaa attgaaacat aaaaaaatct   180

tgaaacgaag cagctaatag aatccattat ttatatataa caataaacta ctatatacac   240

atacaatgta ttctagttta gtcccctaaa acacgagcaa gttattctgg gtgtcgtagc   300

ccaacttctt caaattcggc tggactgcaa atcgaatcat aggtggcggt ccacaagtca   360

atgccaaggt atcaggagat gcatttggaa tatgctccgt caggatactt tcagtgatga   420

atcccacact gtattcccac ccttctctta tgc   453

<210>   2948
<211>   508
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a06a1

<400>   2948

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cccgccgccg ccgcagacga ccctcccctc cctgccggat ctactcctca cggccctctc   180

cgtctgcttc ctagtctcgt cctcgaagcc ccacatcggc ggctccaccc gctgcccctt   240

cccgcgtcgc ttcctcaaaa tccccgccat gtccctcaca aacacaacaa cgtcgaaatc   300

ctcgaaaaac aacaatctca acaacaccct ccttcctccg cgccgtcaca gcttcgcgtc   360

cccgcagtcg ctctcggagt ggctgaagcc gcggctccct tccgagtcgt tcgcctcgtg   420

gggcgtgaag ccgggcacca agaacgtgca caacctctgg ctcgagctct cccagggggga   480

aaccttcctc gctgactcca ccccttcg   508

<210>   2949
<211>   590
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a06d1

<400>   2949

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agttgataac tcttggaact ttacatagtg atcagtagaa taatactcaa atccaagttc    60

gtttggtcac ttttaatgac aacatactga taaagaacct gtcaggtaat ctacatgtct   120

cctctcctgt acaattccat ccaccttcag tttctgcagg taaaatacaa gcaattcttc   180

cctcaccaaa agagaaactc aaatgacaat tttgtattga agccagctat acaactcgaa   240

cccatgttcc accacacatt ggacatccat aagcccagcg gctgatccac caaatctccc   300

ggtcattttg actgggaaga ttggtggaag ctggtgaggc aaaagcacaa gtctgccgca   360

gacatcttat acacttgtac cagatccctt caaggccagt tttccacaat gcagtaacaa   420

catctcttcg agatcccatt ataccaaggt atgctcccag gcccacagaa gtgttcaacc   480

caaaagctgc atctcgttca gacatcctgc gcttccttgg ccataagcca ttggctccat   540

agtagacatc acaattttcc aatgagctgg aatcaagtgg atttaaacta              590
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<210>   2950
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a07a1

<400>   2950

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catggcaagg cacccaactc caatcttgaa tcactctgca ctctgcactc tgcacaatgc   120

ttttcctctt cgtccctgct ctcaacctta aacccataac acccaatgac ctgtttgttt   180

gataagccta ttcctcacct caccgtcgct acttcgagaa acccatctcc gccgacctca   240

actcatcttc cttcaagaaa cctgagcagc ctctgctgcc gcaacatcaa gtctaccagc   300

ccttccgccc tcccccgtct tccctaccct cgcaattcgg caccctcgac atcgccggcc   360

gaatcgacat gctcgccaac cgcctcggtc tttggtacga gtacgcgccc ttaatcaatt   420

ccctaatccg cgaaggcttc tcctctccga caatcgaaga aaccaccggc atattcggcg   480

tcgagc                                                                486
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<210>   2951
<211>   539
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a07d1

<400>   2951

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gattggtaat cttgtgacca ataaaatcca cctttaaaag gcaaagcata aatacatgag   120

tgtctaattt taccattgat ttaaaaacaa aatttgcacc atcttataag aaatatggaa   180

cgcctgtcct gggccctctc atctgattgt tctcctctgt ttcggtgaaa aatttaactt   240

ctctttccat attttcattg aaactcagaa tagaagctac atttccacat cggtaacagt   300

aattaggtgc ataccataca gttacaaggc ctttatcttg gaacatatac ttaaggcctt   360

cctgaacgag ttggtgcgct cgacaaacaa gatcaaggtt atttatgtga ttgaactccg   420

aactgaccct ggatccaaaa agccaacctg ctccacgggg actgactgcc atgtttcatt   480

atcttcagga tcactccaca ttagatcaca gaaaggaccc tcatgaggaa tttcacagt   539

<210>   2952
<211>   443
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a08a1

<400>   2952

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agcggtgatg ggtaacaaga tccctctata tggaagtggt gctagcctaa gtagcacaac   120

gggtgtgccc actgtgtctg tgctattgaa cctcaacttt gtgctacgat ctagggctta   180

tgtgctcggg aaattggtga agcctaaata ctacaaaacc attcaatgtt ccataacttt   240

ggatccaaaa aagctcaatg ctgcgatttc cctgaagaaa tcttgcacat atgattgata   300

catgtgacgg agagcaagtg ggaattattt gaaaaataat aataataata aaaatattgt   360

tttatgatta atgtgttctt ttgatgtgag gaaagaaatg gtccagccag agagcagtgt   420

gccaaggacg cgttttttggg act   443

<210>   2953
<211>   510
<212>   DNA
<213>   Glycine max

<400>   2953

cggaagctcg cctgtcgacg agctcacagt cggcgccgcc cttttttttt tttttttttt   60

tttttttttt tttttttttt tttttttttt tttttttttt gggggtttgg ggttttttttt   120

atttttttaa tttctgattt tttacaccaa tctttgggga gaactgtagg aacaatcata   180

acaaaacaaa aggaaaaagc ccccaccgaa caaatgaggg ggcggccggc caccaacaag   240

ggggggggga ggggcccggt taaaaaaaag gggcggagcc ccccccctg aggggttctt   300

ctggcccccc caaacaaggg ggggcccaaa aagggccccc ccccaccccc ccaccacggt   360

aaaggggggg gggggccccc cccccccccc ccaagaagaa tgttccccgg cggggggggg   420

ggcggcccca aaaaggggg ggggaaaccc cccccaaaaa aagaggcccg gggggactaa   480

caaaaccacc cccggaaaaa aaaagggggg   510

<210>   2954
<211>   588
<212>   DNA
<213>   Glycine max

<400>   2954

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ggaaaagaag ccatgcctct ttcaccatgt ttgcaatgct tgttggagtg atctctcaga   120

gccttgtcat tcctgtagta tccaccactg ttgaagatca gaagaactac tacacccccag   180

atccacatgc tggaagtccc ccctcaggct cacacagtag tactcctcca tctcatggcc   240

atggaagctc tccaccctca catcatcaca gtagtccaag tactccatca acaccctcag   300

gtggaaactg tggatcatca cctccacaac atcatgatcc aacaacaccc tcaactccat   360

caacaccatc aaacccttcc tcaggtggat actatggagg tagccccccca acacctgtca   420

ctgtgagccc accaactact ccagttgacc ctggaacccc tagtatcccc tcaccaccac   480

tcattccttc cccatcttcc tttactggca catgcaacta ttggagggat cattcagcat   540

tcatctggtg aatccttggc tggtggggaa ccctaagaag tgcatttg   588

<210>   2955

<211>   410
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a09d1

<400>   2955

aggtattccg atattcggac gcctcaactt gttatgaaat cacattgata gcctctactc   60

gtgtcctagc tcgtctaaga gctagatttg cctcaattgg ttgtctcttg ccttccgcct   120

tattcaaatt agcttctgct atttcaagag tttgctgtgc ttcttgggga tcaatggcac   180

tacccttttc cgcatcattt actaaaacag ggatctcatt attgtttatt ctagcaaaac   240

cgcccatcag agccatcgtt aaccattggt ctttaagaag acgtattctc aaaataccta   300

tatctacggg tgtggcaata ggcgcatgat ttggtaatac tccaatttgt ccgctattag   360

tagataaaat gatttccttc acttccgaat cccaaacaat tcgattgggg   410

<210>   2956
<211>   554
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053a10a1

<400>   2956

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ggaaggtttg agtttgactg ggggcagaag tttgacaggc cagaaagagc atcctgatgt   120

taaatccaac caaccaatga aggcaagtgt tcagaaaaat ttacacaaga aatcttctgg   180

tgctcttaga cagaataatc tgaaacagaa ttattcaatt gacaaagaca aattaccatc   240

aaagccattg gttaccaatt caaacagtag gaaagttctg actggggatt cctcttatgg   300

acgccataga agctctagta ataaatccaa tgcaaaacct aaagttggat ccagaaagtc   360

agccatggag gtgacagata gtgaaaagga ggtcttgtat accagcacaa acagttttcc   420

tagaaagaaa aggtctacag acaaggactg gaatgatagg gttgtggata atttgttcat   480

tgaaaaaatg cagaagcctg cttagtctaa cctagtgagt tataagcana atagttggac   540

tgaagaagtc aaaa   554

<210> 2957
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053a10d1

<400> 2957

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agtgacaaat ttaacatcac tagattaact acacttctta attcttgtgc agatgcccta   120

catataggac ccagagggag tacataacta tgatgcgcga tgcttttttag gcgagaaatt   180

cagcttcaac cactttgatc tgatcttatc tattagtaga catactcata tattagccac   240

tttttgatag agcaccagcc gcaaaaagaa gattccttcg agaaaaccgc aatgagtaaa   300

ctggagtaga tttggttggt agagtttttca gcgatctaag tctgttagca ctcccacctt   360

tttcttcagc cctagaaacc ttggtgctcg tatttacatc ccacaatttt acagtgcaat   420

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at                                                                   482
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<210> 2958
<211> 390
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053a11a1

<400> 2958

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agcttccaat tgctgttata caatttgttt aacccttcct ctaccaaatt tgctcaaaaa    60

tcccgcttgg gtcttgaacc gttgtaaaaa tatggtacct tattgagtgg agatattata   120

actgagaaca tggtcgaaag ctctttggtt tctccttcac caccgaatcc tacggagggt   180

gaggggaaac gcaagccctt gcgatctcca cttgctgctt tatggctggg aagtaacgag   240

aggacgcata agctgactat cttggcttga ggaaaattat ctatctggtc caattctgcg   300

cgaaaggtgc aattttataa caggaaggtg tttgtgcagc atgaggagac aataagcagt   360

tattaggtca actttgatat caagcaatcc                                    390
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<210> 2959
<211> 522

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a11d1

<400>   2959

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agctgattat gatgcttgca gcatcaataa agcagtatat aatatataca gatttttttgc   120

aaattagagg atccaaacaa acaagctaat caaacaattt tgaaagaata tattttttc   180

ttgctttgta agaatatagc tcctctattc cctgttcatg gtaaccttat ctagattaca   240

tctgttgacc ttgacagtgg cacaaaatct atgaggaagc tggcattgga actcgaagta   300

cttgttgcag aaagcgtgct gcaagacgtt gagtgatccc acccataaca cgctccccaa   360

gtctgcgtgc ttcaggttgc tgaagaacct gtagtatagg tagtaaaaga tctggatcat   420

aatcattaga ggatcgcaga agttcccata tcctaattac ttgatctcta agctctatca   480

agttttgcat ttcaatttct gacgttataa tgggtccatt tg   522

<210>   2960
<211>   573
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053a12a1

<400>   2960

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attgagctga gttgtatacc tgcaatgggt gttttgtggt ggaagctgtt ttttgctgct   120

cttgctggga ttctcttctc aacccaacat tgtgcttccc aaaaagttcc gaactacaca   180

tttatgcaca atgcaacaac agcaccagac gtatcatact acgactacat cgtaattggc   240

ggcggcaccg cagggtgccc tttagctgca acactgtccc aaaattacag cgtattgctc   300

cttgaacgtg gtgggtcgcc ctacggcaac cctaacatct ccgacttagc tgctttcggt   360

gctgccctct ccgacacctt ccctacctcc cccgctcagc gtttcatctc cgaagacggt   420

gtcatcaact caagagcccg cgttctaggt ggtggaagtt gcttgaacgc tggctttaca   480

ctcgcgctag ccctcaatat gtaagggaag cggngtggga tggaagggca gtgaatgaat   540

cctacgaatg ggtggagacg atagtggcgt ttg   573

<210>   2961
<211>   401
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053a12d1

<400>   2961

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attctcatcg cacaattttg aaagactacc ttcttttgtt gctaggaaag aatatagcta 180

ctctattccc tgaacatgga aaccttaact agaatacatc tgatgaccct gacagtggca 240

caaaatctat gaggaagctg gcattggaac ccgaagttct tgttgccgaa agccctctgc 300

tagacgttga gagatcccac cgatgacacg ctccccaagc ctgcgggggt catgatgctg 360

aagaacctgc cctacaagta ggaaaagaac tgcatcataa t   401

<210>   2962
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b01a1

<400>   2962

cgacgtcctc gcttcgccgc atggagatga gacgctcaag gaactcgtgc tggacacgct   60

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tctttgtagt attgtttact ctactagtcc ccctactttt ttggtggatt tactggcgtc 180

gaagtatttc aagtatatcg atgtccggta ttttacgttt ataagtctaa aaaagctcgc 240

tagtactttg gagggaaaag atgtctcaga tgataaaatt gcaaatgctg atggttccag 300

tgaaagtcaa atgagctcaa atatggaatg tgtcatccac aacatgtatt acactatatc 360

acatgttccc ccacatcaag gctcggataa tacatctgaa ttggaaatgt ggagcagctc 420

agaaagtgac cataagcagc tttatggaga taagggtgct gatgataagc cacagaagtt 480

ccagaagccc taacaaaatg ta   502

                              1151

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<210>      2963
<211>      394
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220053b01d1

<400>      2963

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tgtttctact aaactgcaaa agtcaagaaa tggtgctttt tgagatgaca tcaaaggata   120

ttccattttg ttgaagtctt tcctggagat cagttggacc aaagatgatc ccaggagggt   180

aaactcctcc ttttggaagg ttgtcacgtt ggcagagaag aacaagagca cactgaataa   240

gaattattgg tgtggtcaga tatccaactt caggtcccat aacccttgtt acaatctcca   300

tgtcaggttt tgtgtttccc tgtgaagcaa tgctcccatc actataacca tgtccaacaa   360

accacatctt gaaggaagca ctttccacct nctc                               394


<210>      2964
<211>      514
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053b02a1

<400>      2964

aacattcaca tattaacctg tgaaacctct gatctgagac ttctcaccca ttttcctaaa    60

cctctaatta agccaccaat tagaagaggc aattttctca agtcagagag agaagaacat   120

ctttgtatca gtgttgcatc cactctctga tgggtgtagt gaggggggtg atattggatg   180

aatcagtact cttggctgaa agtgatgatg ataaaactgt atctttactc cgaccaggag   240

ctgagtctct catccaaaca ctcgttctat ccagaacgca tagtggaatt gctcatggtg   300

ttggcctttc agatgacaag gtgagtgttc ttaaaaaatt tgctagtttg aactcacttg   360

attgctttat cttaaatgat catgtaagtg aggttatggc tggatggagt aatgctgatg   420

atggcagtgt tattatttat ctgatttcta ataagaagga gttcttacct aaattaagca   480

gctataattg gctggatgtt gtctgaatgt tgga                               514
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<210> 2965
<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053b02d1

<400> 2965

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aaaaccctaa aaatccaaaa gggtccaaaa cccccccaaa aaaaaaaccc ccaagggtta   120

agggcccaag gggttttcaa aaaccccaat ctcccccccc tcgaaaaatc ctgaaaatgg   180

gggcccaaca aaaccggtgc cccctgggag ggaaccctga cccaaccgaa aaaccctggc   240

cctttcgcta acgggggaac cctttccaaa cccgggaaaa acctcaaatc ccggttccca   300

aaaaaaaacc cccccaaagg cgaacccgcc tttctt   336

<210> 2966
<211> 575
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053b03a1

<400> 2966

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tcacacctcc aactctgttt cttcccttgc cagatcgctc ctccccgcac ctcgtcgtct   120

taagcttcat ccttccaaca agctctactt cccttagccg ggcaagcagg ctaagagtgc   180

cgtcaggatt aaaaacacca gcaaatccaa tgtagctttc aagtttcaaa caaatgcacc   240

caagagctgt ttcatgcgac ctcctggggg aattctagca cctggcgaga gtataattgc   300

aactgtgttc aagtttatag agcatccact gaataatgaa aagccacaaa aaactggagt   360

caaatttaaa atcacgagct tgaaggtcaa aggaccaatt gattatgtcc ctgaaatgtt   420

tgatgagctg aaggatcaag taacagtgga gcagattttg caagttgttt ttctggatcc   480

agagcgtagc tgtcctgctt tggaaaaact gaagcctcag cttgctgaag ctgatgcctg   540

ctgtgttgag gcacgtaaga gagccccaga agatg   575

<210> 2967
<211> 324

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053b04a1

<400> 2967

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tcacaccgtc tacttatggt tcttcacttg gcagatcgat ggtccccaca cctcgctgct   120

tgaggctgat tgctttcacc aagctttact ttccttagcc gggcaagcag gctagaagtg   180

ccgtcaggat taaacagacc atggagacca atgtagcgtt ctagttgcag acggacgcac   240

ccaagagcat gtatgtgcga cctcctgaac gaagattaac gcctggcgag cgtttcattg   300

caactgtgtt caagtatata gggc   324

<210> 2968
<211> 540
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053b05a1

<400> 2968

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atatcatatc aactccaaat gatgaaaaat attgggttgt ttcttcttgt ggtggtggct   120

acttttgtgg tggcagccac agctggtagc ttttaccaag actttgaaat aacatggggt   180

ggtgagcgtg ccaaaatcta tgaaaatgga aatcttctca ccctctccct agacagagcc   240

tctggctctg gctttcgttc caaaaaagaa tacttgttcg gaaaaattga catgcagctc   300

aagctcgtgc ctggtaactc tgctggaaca gtcactgcct attatttatc ttctctgggg   360

cctactcatg acgaaataga cttcgagttt ttgggtaact tgagtggtga tccttatact   420

ctccacacga acgtattcag ccaagggaaa gggaacagag aacaacagtt tcatctatgg   480

ttcgacccca ccaaggactt ccacacatac tccgtccaat ggaatccttg cagcatcata   540

<210> 2969
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053b05d1

<400>   2969

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aacccttgaa aaaagacacg cttaaaacaa gaacccttgg aaaaaaaaca cgcttaaaaa   120

ccaccgcgaa ggcgaaggac gagatgcaag ggggattcct tctgaatatt ggaatctgcc   180

aagggacgac catcttccag ttgcttccca gcaaaaataa gcctctggtg atcaggggga   240

atgccctcct tggcctgaat ctttgccttc acattatcaa tgggatcaga actttcaacc   300

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<210>   2970
<211>   559
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053b06a1

<400>   2970

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gtggccctca aacctgcccc tttcactgtt gagaagtcct cagttagagg ccttccctcc   120

ctctcaagga actcctcttc attcagagtt gtggccagtg gtggcaagaa gatcaagact   180

gacaagcctt atggaattaa tggtggcatg ctttgaggg aaggagttga tgcatctggc   240

aggaaaggaa agggaaaggg cgtttaccag tttgtagaca aatacggtgc taatgtcgat   300

ggttacagtc ctatctacga caccaaggac tggtctccaa ccggtgatgt ctacgctggc   360

ggtacgactg gcttggctat ctgggctgtg actctacttg gtcttcttgc tggtggtgca   420

cttcttgtct acaacacaag tgctttggcg caataaactc tgcanatcga tgtttaagct   480

caaacttagt ccatgttact atctaaaaat gaagaattat tcatgaagta ctttgtggat   540

acgtgttcct tctgttcta   559

<210>   2971
<211>   553
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b06d1

<400>   2971

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tatttataaa cataagcctg atattgacca ccaaagtaaa ctagtttgtt ttgtttatct   120

tgtcaaaaga gagcttcctt ctttgataag aacaaacaca ctgccaccat cgccccttga   180

gatacgcaat tcttcgtcga ggtatgtggt gagtaaccag gactgagcat tgctgttgga   240

aattgggatc ttcaagggag gcctacttga aattgttttc actaccgatg tggctgtgtc   300

ttggacagag gtaaggatgc ctttgaaaag tgtaaggtca atcttttgac ccagaaattc   360

cacattttcc ggtatctcta atgagtccgt aagctgtgga gtgccaatta tgccttcctc   420

aaactttatc tgcacacgtt ttggacttcg aacatcaaat ttggcattag tactaattga   480

ggtggtggcc aaaggaccag cgaactgaac agagttttgg acggtaaaat tcagcgagtc   540

aataatctgg gat   553

<210>   2972
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b07a1

<400>   2972

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taaggcaatg cacgcaactc caatcttgaa tcactctgca ctctgcactc tgcacaatgc   120

ttttcctctc cgtccctact ttcaacctca aacccataac acccaatgac ctctttctct   180

catcagcctc tccctcacct caccgtcgct acttcgagaa acccatctcc gccgtcctca   240

actcatcttc cttcaagaaa cctgagcagc ctctgctgcc gcagcatcaa gtctaccagc   300

ccttgcgccc tcccccgtct tcccttccct tgcaattcgg caccccttgac atcgccggcc   360

gaatcgacat actcgccaac cgcctcggtc tgtggtacga gtacgcgccc ttaatcaatt   420

ccctaatccg cgaaggcttc tccccttcga caatcgaaga aaccac   466

<210>   2973
<211>   540
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b08a1

<400>   2973

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gctgatgtaa aacgagtaag gaggatgcta tccaataggg agtcagcccg tcgctctaga 120

agaagaaagc aggctcattt aactgaccta gaaacacagg tttctcaatt aagaggtgaa 180

aattctacct tgttaaagcg ccttactgat gttagtcaga aatacagcga ctctgctgtt 240

gacaacagag tttttaaaagc tgatgttgaa acattaagag caaaggtgaa gatggctgaa 300

gagaccgtca aaagaattac tgggttgaac ccaatgcctc atgccatgtc tgatatatca 360

tcattgggcc tgccatcatt tgatggaaga agcccttcag acacttcagc tgatgcatct 420

gttcctgtgc aagatgatcc acatcatcac ttctatcaac ccacattgaa taatcctatt 480

cccagtcatg atccgatagt caacaatggt ttgggggggca tttcttcaat tgaaaatgtg 540

<210>   2974
<211>   543
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b08d1

<400>   2974

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ttatgagctc acatgtattc caatacgatg gaaaatatca taacatgaat ctatataaat 120

tcatgatgct attatttatt cttaatatgt atggtatata actcatcatc ttaaatggta 180

gccatctcgc tgctacaaat gtaacaacct agtagggtct ttggccaaca tagttgccag 240

gaggagcata gttgcaagtg atgaaagtgc ctccattatc acatgctact ttggcacatc 300

caagacgcac agagtctctc caaacaacct gagtgtaatg cagacactct ccaccaacac 360

aggaattaga attgtagtca tagttagact tctcatcaac ccacaatttc actgcatctg 420

tgccacttag gtcaccagtg ctcatagcaa gattctcccc gtattggcca ccaccaccag 480

agtggatcag ttgacaatca cctttacgtt gattagcata gttctgtgca aaagcagcaa 540

ccg   543

<210>   2975
<211>   503
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b09a1

<400>   2975

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tcccaagttt cagctgctac cactcatcag cattgccatt tcctgtttca ctcaccacat   120

ggaaaagctt attcgcatgt tccctttgct tcttcttctt cttctgttcc ccacttttgc   180

cttcgctggc catgactatg gccaagctct gagcaagagc cttctcttct ttgaagccca   240

gagatctggc taccttcccc acaaccagag agtcacatgg agagcacatt ctggtttgca   300

agatggcaaa gcaagcgggg tggatctagt tggagggtac tatgatgcag gggacaatgt   360

gaagttcggg ttacccatgg cgtttaccgt tacgatgatg tcgtggagca tcattgaata   420

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taccgactac tttatcaaag ctc                                           503
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<210>   2976
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b09d1

<400>   2976

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ctggcaatga agttgttcat gaacagtata aaaatcgtca agaaaaatt acagggtcgt    120

catatatcta cacaacgcag gagggttgat agacttgctg cagcataaag taggagatga   180

tatttgtgca agtgaacaga aattaataga cttcgacatt ccattgctct gctttcttca   240

attgcctctt gtactcagtc caatcaatgc catctttggc agccaatgac accataatgt   300

catcaattcc cttttccatt ccttttagtc cacacatgta cacaaaagtg ttatccttct   360

tcagtaattc ccaaagctct tctgcgtatt gagccattcg ggtttggatg tacatcttct   420

cccctttctc gtttgtttgc tctcgactca cagcgaagtc aagcctgaag ttttcaggac   480
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1158

ttttctcttg catcttctca aactcctcct tgtaaagcaa tg   522

<210>   2977
<211>   490
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053b10a1

<400>   2977

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tagtttcttc ttcaaatggc agaagttgaa gacatagaca accctcatca cgaccaccat 180

cattaccttt cttcttctac aacacaacct ccaatgatca atttcccgcg agatctgtta 240

agaaccttcg tgggagtgaa caacaacagc aataaaaaca ataacaacag tcagcaccac 300

aatttgccta tgccagtggt gaagttagag gatgagaaag aagagctgga actaagtctc 360

ggcctttcga tgaatggtag atttggggtg gaccctacag cgaagaagat aaagagaaca 420

acctcgatac cggagtttgt gcgcgacgag gagatgggat atgctgctgc gatggggtgc 480

acggngtctc   490

<210>   2978
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b10d1

<400>   2978

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ccaccataaa tagaaaggcg cccatcatca taatcatttt gatgacaaaa gtgtaaaata 120

gccctccaaa agatctattg tacggattcg acgaccatta caaaaaaata aactggtaaa 180

tatcggagac tctcaagtcc atataactga attttattg ggccccctgg tttcctttgg 240

gcaagatatt ttctgtagaa ctgtggtacc ttcgaggggg gttttatcaa gaaagaacag 300

gcctagctct tttttcaaca ttaaactgtg cgtccacaag gcctgtaacg ccagcagtaa 360

ttgtttgacc ctctttgaca gggccaacac ccggggggagt accagttagt atgacatccc 420

ctttaaacaa tgtgatgaca gagccaaggt agctaattag aaatgggatc tta   473

<210>   2979
<211>   638
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b11a1

<400>   2979

aaaatcaatt ttctgtcttc tttgcgtctt cttcctctat caatcgtttt gcatgggtcg   60

taccaagcaa accgctcgca aatccaccgg tggaaaggct cctaggaagc aactcgccac   120

caaggctgca aggaattctg caccgacaac cggtggagtc aagaagcctc atcgctatcg   180

ccctggaact gttgctcttc gtgagatccg aaaataccaa aagagcacag agcttctgat   240

ccgcaagctc cccttccagc gtcttgttcg tgaaattgcg caagacttca agaccgattt   300

gaggttccag agtcacgctg ttcttgcgct tcatgaagct gcggaggctt acttggtggg   360

tttgtttgag gacaccaact tgtgtgcgat tcacgccaag agggtgacca ttattgccaa   420

aggacattta acttgcactc cgcattcgtg gagaacgtgc ttaggcttat taatagaagt   480

aatacgtagc tgctgctgct tttattcttt tgcaatacat ttttgtttaa ggtattttta   540

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tatgatctaa ctgaattttg ataatgatta cctctggc   638

<210>   2980
<211>   339
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b11d1

<400>   2980

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accaccaccg ctttagatac aatcaaaatg ctaaaagccg ggatccctcc aaaagctcga   120

gatttctcaa ttaagctaag cttctcataa agaacatagt gattgttttg ttggacttac   180

tcaccaaatt acctaaaaaa catgggtgct taagtgacta ttagtattcg gtaaccaggt   240

ttttattacc ttagggtttt atgatattgg ggtggccctc aacaacaaag catgctcaag   300

ctccacctcc acttccccag attgttggcc gcccatttg   339

<210>   2981
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b12a1

<400>   2981

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tctgtcatgg aagttaatac tactacaacc actgtacctt cagggccacc aactaggaac 120

cattcttaca cacaacaccg cttacattca gaaagacata gccataacca tagccatggc 180

catttcccct ccaaaaccat tctcataatc atcgcattcg tcaccttagt cacggtccta 240

tttatcattt tcgtggtcct attcttgatc cgtcgccaaa aatcctccag caagaatgga 300

acttgcgaag aagacagcag agagcttcat gacacaagca gcaggctcat cacttcaaca 360

acgttgaatt ctagcccaga tgtgaaaagt gggtgtcttc atgggggaaa tttgagcagg 420

accccagcac ctaaatttcg tggagtacaa gtgttcacgt atagggagtt agaaattgcc 480

actgatggat tcagcgaagc aaatgtgatt ggtagtaatg gaattattg   529

<210>   2982
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053b12d1

<400>   2982

aaaagacaac ctccaacggc taaaagaaaa agaacaccac attgataaat tgacttaact   60

agttaaatta tctttcccag tcaaaccata ggttcttaac aaaattaagc cacataacct 120

atccagcctt caaataaaca tcaaaatgat atcgcaaatt gctagctcaa cggcgactgc 180

acggtagcaa aacccatgaa agttgataca ttctctaagc aaccagagtg ctagcagttg 240

ttgattcgta cttccagact ggtgggagct tcttagtctt cttgtaatag cgagcaagtc 300

ggtggattct gctctcaaca agaatcaacc tgaacttgga gtccttgtcc ttcctgttcc 360

tctcaagatg cttcctaatt gaaactgcct tcttaatcaa atggtacagg tcctctggaa 420

1161

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tttcaggcgc aagtccgtga gctttgagga tgcgaaggat tttgct                466
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<210>   2983
<211>   130
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c01a1

<400>   2983

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ttgcgagtgc                                                          130
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<210>   2984
<211>   507
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053c01d1

<400>   2984

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ctaagatggg gtacatctag attttgtgta ccaactcctt aaaaattgtc tctataccct   120

gcttctgcta ttggaagcaa tggaaatcct ctgatcctga agcatgttca agttgggagc   180

cagcaaccgt gtgtaccggt caaagtacaa gagctgtttc aggagaagag caaattctct   240

aggaaacttc aatccatatg attcactaac ccgaaccaca tcaagaaaga gtgcattcat   300

ctgcctctca tcaacaacta tattagcagc aacagcagtt gcatttgtgg ctgttccagt   360

tgtagttgct acaactattt cagtgtccaa ttccttaatt gatgagaata ctttntccaa   420

atctcttgca aggccttagc atcaacatcc tggtttgtag cacccatttc aattaaggag   480

atgccattga gtcataatct tcaatgc                                       507
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<210>   2985
<211>   581
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c02a1

<400>   2985

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cttccccatc cttggctggc aaggccgtga agctgggccc atcagccccc gaagtcggga   120

gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtacggcc   180

cagaccgcgt caagtacttg ggcccattct ctggcgagcc cccgtcctac ctcactggcg   240

agttcccagg tgactacggc tgggacactg ctgggctttc ggccgaccca gaaaccttcg   300

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tccacgccca gagcattctc gccatctggg ccacccaagt tatcctaatg ggtgctgatg   540

acggttatcg aattgctggt gggcccctcg tgagtcactg a   581

<210>   2986
<211>   547
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053c02d1

<400>   2986

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aatccaattt gcattaatta tataagggaa cttgaaacat accccgggga aatgattcat   120

gggtaagtta ttcatttagt aattaaatct tcgtgaatcc cccctttttt taattccagt   180

taaatccctt atcacattca caaatataca taaaggggga agttctatta gaaacttgcg   240

ttttctcttt cttttttttt ttaccaaaaa tggatcgaag tttctcatat aattcgggtg   300

ttagaaagat taccatatat aacataaaac ttctccgcca attctttcta atcgagcctc   360

tcgatctgtc attatacctc tagaagttga aagaattaca atccccatgc cccctaaaat   420

tcgagggatt cgttgataat tagaatatat tcgtagaccg ggtgtactga tccgttttaa   480

atttaaaaaa cttttatatg atccctttct atttcttcta tanccgagag ttaaaactaa   540

aaaaata   547

<210> 2987
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053c03a1

<400> 2987

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tcgatgtaac ccctgtgcct ggggctctag ttgttaacat tggtgatttt ctacagctaa  180

tctcaaatga caaattcaag agtgctcaac acagagtact ggccaaaact gttggtccaa  240

gagtctctat tgcatgcttt tttagtccag cattccatcc atcttcaagg acttatgctc  300

ccattaagga acttttatct gaagacaatc ctgcaaaata cagagaattt tcaattgcag  360

aatttacagc tcactacaga acaaaatgca tgaagggtac ttctcctcta ctacatttca  420

agatttgaca agtacaatgt tgtaaaagtg actatgtcct tgatccattg ctcttcgtta  480

acggagctga atgtagcaaa ttttggaact tccactgtgt catttcttga gggagaatta  540

atgataaact tggaagagat                                              560
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<210> 2988
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220053c03d1

<400> 2988

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tcgcaagact atgggttcta agtatcaagg tcctaaattt gggaaaatat caataccaat  240

atttctcatc cataattatt caaatgacaa ggcaatcggc atgattatcc caggaaattg  300

tcgtcatcat ttttagccgc cgccagatcc atatttcttt ccaaacaaaa tgagctgcag  360
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cttgtcataa ccagcaagca caccagcacc tgcaacagca cgcaatatgt tcgcaccagc 420

acctttgaag agtgacttgg caccctcatt tgcgacgatt gtttggaatg catgcaaaga 480

gctcttgtac ttcacagctt ctncagaagt catcatcatt cttcttncga cagtgtcaat 540

ggggatag 548

<210>   2989
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c04a1

<400>   2989

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agtgagaaag gggccatgga caatggaaga agacttaatc ttgatcacct atattgccaa 120

tcacggggaa ggggtttgga actctttggc caaggctgct ggacttaaac gtaccggaaa 180

gagttgccgg ctccggtggc taaactacct ccgtcctgat gttagaagag ggaatattac 240

acccgaggaa cagcttttga tcatggaact tcatgcaaag tggggaaaca ggtggtccaa 300

aattgccaag catctacccg gaaggactga taatgagatt aagaactact ggaggacaag 360

gatccagaag cacctcaagc aagctttcag cagcttccag caacagagta gtaattctga 420

gataatttat catccccaag cttgcactag ccaagtgtcc accatggcgc aacccataga 480

aacct 485

<210>   2990
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220053c04d1

<400>   2990

ggcacaagaa catatcagtg ttcattctat aggggttagg caaaattaaa tgtttatgta   60

cacagcaact gggataattg gaaaatccta caaggttccc caaaagacct tgcaaagtga 120

gaagtgagga gactaccaat taaccttgac caacctatct aaaccaagtt caaatatcta 180

caccagataa agtaataagt tcacaggaaa caagagcaga ggcaagtttt ccctaaaact 240

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ccatattcca gatcttattg aaatagtaaa aaacaaacac tcttctcaat agcagtcata    300

aaagtttcct gccgcagagg gaacagaaaa atcagtctgt gtctgttcaa gattcataag    360

tccgcactga atctcgaatc tcctgacgac aaacaggaca tttgggtgca acttcacgtt    420

caactgatat ggcacaccct tgtgaacaca caagatgccc acagggaat               469
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<210>   2991
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c05a1

<400>   2991

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aaaaaaaaaa aaaaaaaaaa aataaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa     60

aaaaaaaaaa tataaaaaaa aaaaaaaaca aaaaaaaaaa aaataaaggg ggcggccccc    120

ccttttttggc cttccccccc cggaatttaa tttcggcccg gtccctgggg gcctccccct    180

tttccctttt gggggctctt tttaagctgg gcgtaatcag ggccttagtt gtttccgggg    240

gaaaattgtt ttccgttcaa aattccccac aacattcgac ccggaaactt aaagtgtaaa    300

ccccgggggc cctatggggg ggcctccccc ccttttattg ggttggcctc ccttcccctt    360

ttccatacgg aaaacctgtt ggcccacctg ttttaattaa atccccccac ccccgggggg    420

gggcgttttt ttttttggcc ccccgggggt ttttttt                             458
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<210>   2992
<211>   436
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c05d1

<400>   2992

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acaaacaaaa ggggtagggt gtaatcaacc cccccctttt ttgtaaaaaa tttgcccgtt    120

cccggattta aagccgcctt gaaaaaaaaa aaaaccttga acccccttg ggggtcgttt    180

tttttggttg ggcccccac ctcaaagggg gggggggta gggcccccct tccgggtata    240

atttcccca tcaaagggaa aaccaaaccc cattgggccc atcttcccc aaaaagcccg    300
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gttggtttcg ggaatcccaa aaaagggccc ggaccaagac caaaaacttc cctgaagcct 360

ttggctgggg ggaaaacacc ccccggggg ggtcggcat caaaaaattt ttcacggcac 420

ctaaacccc aatggg   436

<210>   2993
<211>   549
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c06a1

<400>   2993

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cggtgcagtc cctcgtagac cagcagaaga cttggcgttc tcagttgcaa gattcataca   180

gaatggtggt tcattcgtta actactatat gtaccatgga ggaacgaact ttggccggac   240

atcaggtggc ctcttcattg ccactagcta tgactatgat gcgccgcttg atgaatacgg   300

acttgaaaat gaaccaaagt atgagcattt gagagctttg cataaagcaa taaaacaaag   360

tgaacctgct ttagtggcta cagatcccaa agtgcaatcg cttggatata accttgaggc   420

ccacgtgttc tcggccccag gtgcttgtgc tgcattcatt gctaattatg acaccaaatc   480

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tcttcctga   549

<210>   2994
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c06d1

<400>   2994

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caactttatt tccatcacca caaaaatagc tagttgatgt aattggtagc aaacttgtgt   120

gtttctgttc tctatcaact ttagtccttg ttgacctttt ctagacaact tgggtgaagg   180

tcatagtcac agacatcaca agagaatgtc caaaacttgc cttgcttttt acatgaatca   240

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catacatatg ctttggccat atccaatttc agtacatgtt catgcttcac atcctcaacc   300

tgctgaggca aagcctctcc ttcctttcta agagctgctt cgaggtctct tatccgtgat   360

tcggtgaacg ggaaagcttc tgcaccgtat gaggagacca ttaacttccc attcacacta   420

atgactttgc catctggtcc aatgagaacc aaagcaggaa tgccctttac atcaaagatt   480

cttcgaaggt catgcc                                                    496
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<210>        2995
<211>        420
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220053c07a1

<400>        2995
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ctgaatgctt tttagagaga gaaagagtaa taataataaa gtggaagaaa atgaatttgg   120

tgagtgaatc acgacgaaga agaagactaa taagacgaag aagaattgcg aatatggtgt   180

ttgaggaaac ttgactgagg ctgggactgg gactatgtct ccctggaaat ggaaccacgg   240

caacaactga agctgctgct gcggaattag gagagaggaa gagagggttc tcttatactg   300

aaactgatga aacagccccc gtcgatttga tgcctaacct tccacccaac gaagctgctg   360

ctgctgatgg tgcatatcca cgtgagaagc caaagacttt tgcgtaggag aagacccttc   420
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<210>        2996
<211>        335
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220053c07d1

<400>        2996
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aaaaccccaa attaaagggt gggccaacgg ggctttttct ttatgcaaca taaattttttc   120

ctggggaagg aaatcaaaaa ttcattctaa ataggccccc ttttgtttaa ttgggtgggg   180

gccccaagaa aaacccacgg tgggatgggt gtccatacgg ttgaaacaaa ccccggcgtt   240

ttctactttt aaccgtgact agggttcatt cgctcacggg gggggccaac aaaaagggag   300
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caagaggggg ccccacaggg ttgctcccga accca   335

<210>   2997
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c08a1

<400>   2997

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ggggttccct tgttgcttgt tatcaccttc tgttatgcta cttctactgc tgcagcaaca   120

actcaagttt cagggaatga agagctgcca aagacaaacc taaatgggca tgatgaagaa   180

gcaaaattcg gattttttca tcataaacca atattcaaga aacatattcc aattccagta   240

tataaacctg taccaaagcc atttccagtg tataaaccta taccaaagcc agttccagtt   300

ccagtgtaca agcctattcc aaagccagtg tataagccta ttccaaagcc agttccagtg   360

tacaagccta taccaaagcc agttccagtt ccagtgtata agcctattcc aaagccagtg   420

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cctataccaa agccagttcc agttccagtg tataagccta tt   522

<210>   2998
<211>   419
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c08d1

<400>   2998

atataagtac aaatattatt cttatcgtta aaattcggta gacatacatt ttatgatttt   60

aatatattgc ttttgaactt ttctaacctt aacatgaaac taagtgcagg ttaaggtgcg   120

caaggtaaat ttatctgcgt atgataataa aaaaaagaga gtctttaacc ccatagctag   180

attggtaaca attaagatgg tccaaaaata ttgggtggaa gggttgatgg tagagagaga   240

gacaaggggt gaaatatgta tgattctagc ggtgatttga ataacaaaat ttaacagcac   300

agttggaagt tatgaaatac aaccagggca gtgtgccaag ccattctcat tacaattggg   360

gcacctctct atgtgaagaa gcttgcgact accagcacag tcgaagaagg aacgaacct   419

<210>   2999
<211>   450
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c09a1

<400>   2999

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cgctgccaac gttactttcc attttaccc ttcatcctcg agaaaaaat ggcgaacgca   120

gcatctggtc tggccgtcca tgatgagtgc aagctaaagt ttctggagct caaggcgaag   180

aggacgtacc ggtatatcgt ttttaagatt gaggagaaat cgtagcaagt tattgtggag   240

aagctgggtg accctgcaaa tggctatgat gaattcgctg ccagtctttc tgctgatgag   300

tgtcgatatg ctgcttatga ttttgatttt gtcactgaag agaattgcca aaagagcaga   360

atcttcttca ttgcttggtc ccctgataca tctagggtta ggagcaagat gatttatgcc   420

agctccaaag attgattcaa gagggagctt   450

<210>   3000
<211>   406
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c09d1

<400>   3000

aaaaaaaccc cccccttccc ccattttttcc caaaataaaa aggggggggg aattttcaaa   60

aaaaccgggc cccccccaca aggggggggcg gggcaaatcc ccttttttggg aaaaacccccc   120

cccccacaa aaaaaaaccc cccttcccaa acctgggggg ggttccccctt ttttaaaaaa   180

aaggggggaca ccccccgggaa aaaaaaaaac ggggctaaaa aatttcccccc cccttttttaaa   240

attttgagaa aacccccaaa aaaaaaaaaa aacctgtaac cgggtggggg ctgaaaaaaa   300

gaaaacccaa ggccccaaaa gtttatttttc ccccccaaaa accccccttt taaaaacctt   360

ttttgggccc ccccccccttt ttgggaaaaa accatccccca aaaagg ·   406

<210>   3001
<211>   480
<212>   DNA

<210> Glycine max

<223> Clone ID: jC-gmfl02220053c10a1

<400> 3001

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ggaagcagaa accaaacaca actcaatcac gaaaatgtcg aatttgcccc aatcgctgtc   60

gatgggcgcg gccttcggcg gcggtggcgc tccaacgccg acttacagtg gcggcgccgg  120

agcacagggc tccggcgctg gcaaggatcg gaagatggcg ttcgcggagc aggtcgtgct  180

cgaactcacc aaccctgaac tccgtgaaaa cgcgcttctc gaactctgca agaagaggga  240

gctatttcaa gatcttgctc cgctgctatg gaattctttt ggtactatcg ctgcacttgt  300

gcaggaaata ggttcaatat accctgttct ttcaccacca aatcttactc ctgcacaatc  360

gaaccgagta tgcaatgctc ttgctcttct tcagtgtgta gcatctcacc ctgatacaag  420

gatgctattc ctcaatgctc atatacctct atatctgtat ccctttctta aaacaacaag  480
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<210> 3002
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220053c10d1

<400> 3002

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cggggcgtgt gtgatttatt cccgggccga ctgagctcag ctagtccggg cgggcccgcc   60

cctttnnttt ttgtgtttat attttctatt tttatttatc tatatgttct ctttcattat  120

gttttatctt attattggtg tattttagcg ttgtgtttat ttggagttat acttagcgca  180

cataaacata ttatcgcgtt tatttgttct gtggactata aatggcatag aaccctatag  240

gcggtgggct ccacagaaaa gaaagcgcta tgtgcatttt attttatgg ggatgaggct  300

tagatagaaa caatacatct taactatatg tggatgcttt gccaagtgat tctgccatca  360

tactggcaat acagtgagat gtagactgaa tggttaccat ggggttgaca cccactgcac  420

taggggggaac actcccatca cacacatact agccttctgc ttgcgaagac tcaccattct  480

cattgggtgc accttcttct tcagaggcac ccattctaca tcttgacatc tgatgtgcag  540

tggttaacac tgtacacact ttattccttg accttggacc cccaac                 586
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<210>      3003
<211>      352
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220053c11a1

<400>      3003

gttggttgtt atggctttgt aaaagcacga aggctggcgg ctgctaaatg gttgaagtag    60

tgagttggct accaattaca aaaggtgtgg gcgtctggtt ggatggccct attattgtgt   120

ctgcgtgtct ttgtgtctat gtaaatttaa ggagaaataa ccacaagggt attttatttt   180

ttctcttttt ggaaggacct gggagaaact agaaagtaat acagaaggga gaataatgtc   240

cagccggagt gcacttgata gtttgtatta atccacaatg cctttttgtt gatcaattgc   300

agaattcaga gattcattat aaatatcata cataacttgt cccnnnnaaa aa          352


<210>      3004
<211>      257
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053c11d1

<400>      3004

ctctctccaa aacacagggg gggggacacc aaattttacc acaaacccccc ccctctcaga   60

ggatgcgacc ccccgagggg ggggaagggt gcaacaccca ccaataaaaa aaattgggtc   120

tttaagacct attttccaca agcgattatc cgttagaaaa aacccaacaa aatttggggg   180

cacctaaaaa aaaaagggct cggccaataa taaaaaaaaa atctcccccc ccccccccagg   240

acaccaaaac ccccaca                                                    257


<210>      3005
<211>      489
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053c12a1

<400>      3005

agcaagaaaa gagggttttt ggctgcggtt aaggtttttg aggagctgat ttccaagggc    60
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tatgaatcgg gtcaagtcac ctatgcttcg gttataaatg catattggcg tctcgggcaa    120

tatagcaaag cagaagaggt gtttttagag atggagcaaa aggggtttga taaatgtgtt    180

tatgcttact ctaccatgat tgtgatgtat ggaagaacgg agagggtgag aagcgcgatg    240

aagttggtgg ccaagatgaa agaaagaggg cgcaaaccaa atgtgtggat ctataactcc    300

ttgatagaca tgcatgggag ggacaagaat ttgaagcagc ttgagaagct gtggaaagaa    360

atgaagagaa gaagggtagc accggataag gtgagttata ctagcatcat tggtgcttat    420

agtaaagcag gtgaggtcgc aacctgggtg aggtttttca atgagtatag gatgaatgga    480

gggcttatt                                                            489
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<210>   3006
<211>   323
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053c12d1

<400>   3006

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agcgcgcagc ctcattacaa taaacttgac gtcccatgag tccttcaaca agctagatgg    120

ttgatgtgga acgctttctc tgtgcataag aatcatctaa cctatgccac catgtggaca    180

aaacttttc catcatgtgg agaaccaatg atactacggg agatgttcac taacatattt    240

cgggcttcac ctatggtgat tcaagcctgc taacaagagg accgtgcatg tcccaaccaa    300

aggggtacac cttaccctcc aaa                                            323
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<210>   3007
<211>   417
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d01a1

<400>   3007

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agaaattgta ttaggaatga ttgattggtg tacagtatct tcagttgtcg tgtgacaaca     60

cgagaaaaca aatgttgcac ccccatgact gtcgtattcc atccatctat gggttccgtt    120

gacgtttatt tttggaccgt ggtgcttgtt caattatgaa tgttagtagt agttatacat    180
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aaaaaaaaaa aaaaaaataa aaaataaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataaa   240

aaaaaaaaaa aaaaaaaaaa aaaaaat.aca tataaaataa aaaaaaaaaa aagggggggc   300

ccccacatag ggacctcttt acccggggaa ttaatccggg accggtccct gggggtttac   360

cattttttccc tttagagggt cttttttaaag ttggggttaa cttgggccaa acttttt   417

<210>   3008
<211>   348
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d01d1

<400>   3008

aaaccaaaaa ccgagctaac aaacacaagc aaggaaaggg aaaaacatac aaagggggca   60

cccaaaaaaa aataactggg cggagaacaa aaaagaccag acggggaaaa acctgacaaa   120

accgaaccaa aaaaaccagg ggcaaaaccc ccttaaaaca gaggggggaa aaaaaaaag   180

gcccgaacac gaaagacaat cccaaaaggg ggaaaacccg aagggcaaaa gggacgcccc   240

cagaaagggg caaaaagggc ggccccaaaa gaggggtacc cccaaccgga aagggaaaag   300

ggccacccccc aaagggcccc gaaaaagggg ggggggcgca ggcgaacc   348

<210>   3009
<211>   597
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d02a1

<400>   3009

ggcagatgcc aagatcaacc ccaatgcaca actccttgaa gaactggagg ctttgagcga   60

atcccttttac aaacaacaca ccttcaccac aaccagaaga acagcttccc ttgtgttgcc   120

acgaacttcg gctccaccta ttgaagatgc caaagatgat gatggaagca gcaacaaagc   180

tcggcggcgc atgtccatgt ccccgtggcg atctagacca aagaatgatg atgccactgc   240

caaggcagaa accaaaaagc ttgatggcac atcaacaatt tcttcaggtg acagtgacag   300

gaaagggatt tggaagtgga agcctattcg ggctttgtct cacattggaa tgcagaaact   360

aagctgtttg ttttctgttg aagtggtcgc agctcaaggc cttccttctt ccatgaatgg   420

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acttagacta tccgtttgcg ttagaaagaa ggaaacaaag gatggtgcgg ttaagacaat    480

gccattcagg gtttcacaag gagctgcagg atttgaagag acccttttca tcaggtgtca    540

tggttatcat accttcaacc aaggcactgc aaagcagatc aagtttgagc cacgccc       597
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<210>   3010
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d02d1

<400>   3010

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cattattcaa caaacctata tacatatctg gaaggttatt tccgtctata ggggcgttaa    120

tacaatagat aagagatgaa ctaccccaag aagtttgggg cctggtttat tcagcaaata    180

tctgctcaag catacagaga atccccacat aagttctaat cacatattac tgctgagttt    240

ttccatatag cttgatcaga tatagctact caactctact ttcttcctac taaatcagtt    300

ataagtcatt cattccctct tgacatcaga ctcttcagtc cttgcaaatc tcccacggat    360

tcttggctga ctgtcagcaa gagccttcct gcaagcatac ttgattttcc tcccaaaatt    420

cctctttgtc ctcttattcc tgtatcttga gagcttttga aagcgttcct cactggtgca    480

attgctgata agcaagggcc tctcacgggg tgattggacg atgttcatgt                530
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<210>   3011
<211>   508
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d03a1

<400>   3011

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aaataacaca acacattaac gttcttttat ttctctgtct agagaagaat ctagcaggcc     60

ttgctcgtca caaaatcaaa ggttgcaact gagaactcac tccttcgaat caaaatcaaa    120

aaatgtcggt gactttgcac acaaacctag gcgacatcaa gtgtgaaatc ttttgcgacg    180

aggtccctaa aacctccgag aattttttag cgctatgtgc aagtggttac tatgatggga    240

ctatatttca ccgcaacatt aagggtttta tgattcacgg tggagatcca actggaactg    300
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gcaaagggggg aaccagtata tggggcaaga aatttaacga tgagataaga gaatctctga   360

agcacaatgc aagaggaata ttagcaatgg ccaatagtgg tccaaatact aatggaagcc   420

aattttctt gacttattca aagcagtctc atttaaatgg ctatacacc gcgttctgca   480

aagtaattca tggatttgaa gttcttga   508

<210>   3012
<211>   343
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d03d1

<400>   3012

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gaaatgctgc ataggcatct tgggctaatc aatcaaactg ctggactgc ggcactgaat   120

tgggcaccag catacacagc tactaaacca attacctact aacttctcag gagctgcatg   180

gacttggcaa gcctttcaga tcggctggga actccagtca cggtccaacc agctgcatat   240

tcaactggac ggcctacctt gagcgcgtcc tacgagatag cactactggg gatagccatg   300

acaccaaagc cagcttgggg aaacattctc acagctccga tac   343

<210>   3013
<211>   531
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053d04a1

<400>   3013

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tgctcgtcac aaaatcaaag gttgcaactg agaactcact ccttcgaatc aaaatcaaaa   120

aatgtcggtg actctgcaca caaacctagg cgacatcaag tgtgaaatct tttgcgacga   180

ggtccctaaa acctccgaga attttttagc gctatgtgca agtggttact atgatgggac   240

tatatttcac cgcaacatta agggttttat gattcaaggt ggagatccaa ctggaactgg   300

caaaggggga accagtttat ggggcaagaa atttaacgat gagataagag aatctctgaa   360

gcacaatgca agaggaatat tagcaatggc caatagtggt ccaaatacta atggaagcca   420

1176

anttttcttg acttatgcaa agcagcctca tttaaatggg ctatacaccg tgtttggcaa   480

gtaattcatg gatttgaagt tcttgatctc atggagaaga cacaaacagg g   531

<210>   3014
<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d04d1

<400>   3014

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tttttttttt tttttaaaa aaaaaaaccc cccattttct tttttttttt tccgggttcc   120

aaaaccccca aaaggaaaaa tggggggaaa aaatttcccg ccccccttt ttggtcccaa   180

aagggaattt tttttgtccc tggcctttgc gggggccgc caattttta aatggtgaaa   240

atgccccctt tttttcccct ttaatgactt taaaagcccc cccaaagttc cccaagggga   300

aatttgcttg aaattcttga aaagacaaaa agtccagggg tttttcctcc ctttttttgg   360

ccccaaaaaa tctttttggg tttttttttt accaaggggt gattagcttg cccaagcttt   420

tgcaatcccg gggagggttt ttgcccccct tttttaggg gct   463

<210>   3015
<211>   513
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d05a1

<400>   3015

gccaaatttc attttattca ttcatctctt tgccaatttc tgttcatttt taggctcgct   60

gttccaaatc caacaaatta gagcttcgtt tccgtcctga agacccctat tctcaccctg   120

catttgggga gctttcgtcc accaactctc tgcttctcaa aatatccaag acaaaaccac   180

caccacctgt tcatgatgcc gaagcttcta gcagctctac aaatggggag caagaccaag   240

agggaagtct ttgtgctgat atcgtcgctc gttttcccga ggcttatttt ttttatggga   300

tggcggacta ccaacatgtg attccagttc atgctgatgt tgcccggagg aagaagcgga   360

actggtcaga gctagaagaa ctgcattttg ataaaggtgg tttcatggat ctggatcacg   420

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aggatgttat gattatagtg ccttcaattt tcgctcccaa agatgtgcca gaaaatttag   480

tcttaagacc agctaccatg tcgagttcga aaa                                 513


<210>     3016
<211>     521
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220053d05d1

<400>     3016

cggcggccgc cctttttttt ttttttttaca ctcaaattct atatcccctg ctttattgac   60

atcaagtaca agaagtagca gcttcactct aataatttcc ccaccttatt acctcaaata  120

tacttacaat ataagtaaaa aaaaacctgt tggtaatggt attaatattc atatccataa  180

aaactttcaa catgacacag aaaaaaaaat gtcagcttat ccttaaactc aactatatat  240

aaaaaaaaag gtttacatga attcaagtgc cgatggaatc agcactaacc caagtccaat  300

aatgcttctt aacagaaaca gcttcatccg caacaatttt gtcttcaaaa acccctccat  360

actcatccac ctngtaggtg caaaaatccc cttcgggcaa acactccacg gtggcactga  420

gcgtgtgcaa aacgtagcaa ccgggcaaac ccgggtaaga acccgaatct cgctctttaa  480

ccctcatctc atacgaattg ggatcaatgg tgacaatgtc a                       521


<210>     3017
<211>     590
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220053d06a1

<400>     3017

agaagaacaa gtagttgaga actaagaagg agaagcaaat ggcttcctca atgatctctt   60

ccccagctgt taccactgtc aaccgtgccg gtgccggcat ggttgctcca ttcactggcc  120

tcaagtccat ggctggcttc cccaccagga agaccaacaa tgacattacc tccattgcta  180

gcaacggtgg aagagtgcaa tgcatgcagg tgtggccacc agttggcaag aagaagtttg  240

agactctttc ctacctgcca gaccttgatg atgcacaatt ggcaaaggaa gtagaatacc  300
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ttcttaggaa gggatggatt ccttgcttgg aattcgagtt ggagcacggt ttcgtgtacc   360

gtgagcacaa caggtcacca ggatactacg atggacgcta ctggaccatg tggaagctgc   420

ctatgtttgg ttgcactgat gcttctcaag tgttgaagga gcttcaagag gctaagactg   480

catcnccaac ggcttcatcc gtatcatcgg attcgacaac gttcgccaag tgcagtgcat   540

cagcttcatc gcctacaagc cccatgcttt taagtgtgaa aaatatgcaa   590

<210>   3018
<211>   258
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d07a1

<400>   3018

ggcccctgtg cctattcatt gtcaaagttt ctattattgt agagcaccac aacccgctcc   60

ggggatgctt tgtagagaga gatcgcctta tgatatgcta ctggtacaga tagaattacg   120

actctggtac caggggatga agagctggca gaaacaaacc tagaagggcg tggatggtga   180

gcgaagaaac tgatcttacg ctgtgaccga gactatatt aactgaaaac ggatccacgg   240

tatcaacctg agccgctg   258

<210>   3019
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d07d1

<400>   3019

aaactaaaaa tactttatt ttttaaataa ttatgctgtt caaatgtttt ctcatcgtac   60

attataagct atttctcaag tcaccactat attcctacca tctgaaagga gatataacgg   120

ggaaaggaaa attcaatcca gtaaacacgt aatgagctgt ttttttctta catgcgagac   180

tttgcctgct gctccaaaga ggcactcaga ggaattcctt tggcagctct tgcagccaag   240

taggcacaag gcttgaagaa ttccccatac aactctgacc atttctccaa tcttgaatat   300

atgtacttgg atccaagaga atcagcccag aatatgatgc ctcccctgta aggggaaaa   360

cccatgccca tgatagcaga aatatcaaga tctgctgctt tgactgcgat accttcatca   420

aggacccgac aagcctcatt caccacagga aagaatatca tctctatgat atc   473

<210>   3020
<211>   491
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053d08a1

<400>   3020

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tttttcgcta tgatgttacc gcctgtgaaa ccaaggtgat tcctggtgaa tatggtttcg 180

ttgcccagct taacgagggt cgtcacctca agaagaggcc aactgagttc cgagttgata 240

aggtccttca accctttgat gaaaacaaat tcaactttac caaagtcggg caagaagagg 300

tcctcttcca atttgaagct agcgaggatg gacaagtcca gttctttcca aatgctccag 360

ttgatgttga caattctccc agctttgttg ccatcaatgt cagtcctatt gagtatgggc 420

atgttttgct gattccgcgc atatttgagt gtttgcctca naggattgac cgtgagagct 480

ctctccttgc a   491

<210>   3021
<211>   476
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d08d1

<400>   3021

caaaaaacta tattgatgtt ttattgaaat atccatcata caagcactac ccaagcagaa   60

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aaatcacaag agaacattag aaatttcgaa tcatgaaggt tgaactatga attcttaaca 180

tattatctag ctaaaattaa acaggttttc acatattata gaccgaagga acaatttgtt 240

ggtccaagga agaaagcaca tgcaagaggg gtctggagac aaatgatata gtgatagaac 300

catccagcat tcatcgccga aaagcattgc tttcaccacc agatcttcct tgagaataat 360

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atgtccgacg acggacactc tcggctattg atgcactccc cccttcagct gcaccatata   420

cacttttctg agcagtatcc aagaaattct tgccaccggc attatcattc tggatt       476


<210>      3022
<211>      559
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053d09a1

<400>      3022

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ggacttgcgc ctgaaattcc agaggacctg taccatttga ttaagaaggc agtttcaatt   120

aggaagcatc ttgagaggaa caggaaggac aaggactcca agttcaggtt gattcttgtt   180

gagagcagaa tccaccgact tgctcgctat tacaagaaga ctaagaagct cccaccagtc   240

tggaagtacg aatcaacaac tgctagcact ctggttgctt agagaatgta tcaactttca   300

tgggttttgc taccgtgcag tcgccgttga gctagcaatt tgcgatatca ttttgatgtt   360

tatttgaagg ctggataggt tatgtggctt aattttgtta agaacctatg gtttgactgg   420

gaaagataat ttaactagtt aagtcaattt atcaatgtgg tgttcttttt ttttagccgg   480

tggaggttgt cttttaaaga gatgactatg tgttttggct ttattttcaa gtaatatata   540

tgcttagaag atttgaagg                                                559


<210>      3023
<211>      580
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053d09d1

<400>      3023

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gtaattgagt tctatcaatt acatctgaat caaaaaaatg aaaattaggg tacaaaatta   120

acagaaggaa aatgatccca taacatgggc agatgagaaa tcctgcttac taaatgtaaa   180

tctgatgccg cccctaaacc ttaatgatac aattctgcta caaaacctta tctttccttc   240

tcccctaact gattttttct tcttttcttt tcctgttctt cgggcatata cagatacatc   300
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1181

gatgagtaaa atatcccagt gttggtggac tttatactgt gtcaaaaaac acatccttgg   360

caagttcaat atatcacaac acgaagtagg cctggctgag tttccgtgaa gtcaatgccc   420

tcttcaagat gaaaacgctg tgcagctatt ggaagtcttg caggagtgcg agaacccctg   480

gtatgatgac ctgtgcccac aagaatataa acctgcagac gctgctcggc agctatggca   540

gtgcttttca gcacactcaa ctcatgtttc agcacatgaa   580

<210>   3024
<211>   528
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d10a1

<400>   3024

agtttgccaa ttttacttgc aaccaagccc tcattgaagc tgtggaaagg tctgacagaa   60

ttcatgttat cgatttcgat attgggtttg gagtgcagtg gtcatctttt atgcaagaga   120

ttgccttgag aagtagtggt gcaccttcac tcaaagtcac tgccattgtg tcaccctcca   180

cttgtgatga ggttgagctc aatttcacta gagagaattt gattcaatac gcgaaagaca   240

tcaatgtgtc atttgaattc aatgttttga gcattgaatc cttgaactct ccttcctgtc   300

cactgcttgg taaattcttt gataatgagg caattgtggt gaatatgcca gtctcaagtt   360

tcacaaacta tccatcattg ttcccttccg ttcttcactt tgtgaagcaa ctcaggccaa   420

aagttgtggt cactttggac aagaattgtg atcaaatgga tgtaccactt cctaccaacg   480

tagtccatgt tctccaatgt tattcggccc tgcttgaatc gttggatg   528

<210>   3025
<211>   474
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d10d1

<400>   3025

gcaggatata aatgataact gtcttataaa tccctctttg cagtaattaa ttaaactggg   60

gatgcacccc tagttctaat ttgccaggag ctaatggctt tacaatgatt agtatccata   120

ccatctccac taaaaccaag tgtatgtttg gattaccgtt ccaatccttc caaagttatt   180

1182

aactcaaaag taacaaaagc atgcttctcc ctacttactt tgaatataga ttcaccacct 240

gcaaacggta atccaaacat tatgagagct tcattttaga actgatgcag aattcccgct 300

gacaatgtgg tttgagagct taccatcaga tccccaaaat gctgcacact ttaaatcatc 360

ctgaaccatt aatctggaga actcctcatg gttataactc attatgctct ttccacccag 420

ttctttgggc agatttcct catcagaata agacttcatg acctgcacac tatc 474

<210>   3026
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d11a1

<400>   3026

gcagcacatg caaagtcatt cacttgagga aagtaatcta taagtttcta aaatcattgg 60

aaaattatgg gttaatagtg tgaagcattg gatcccagag aaagatctcc aaaatgcgcg 120

aggcagcata tatggacttg atggattagt atcaggtagg gtgacctcct gtgaagctcc 180

atcaaggatg cctcggtcac gctctgtcca aaattgaggt tggctgtttg ttcatttgtg 240

ttttgttctt gtcagagcat catgatactt ttatgtgtgt gtttttgggg ttttagtttc 300

ttgctttaac agtattttgt ggtggttcca gaggccattt gtgtgtgctg tcgatgattg 360

tcaggcaagt tacagaagaa aggaccacct gactcggcac cttctacagc atgaagggaa 420

gaattttaag tgccctgttg agaattgcaa cagtgagttc tcttttgcaa gcaatatgaa 480

aagacatact gaggagattc atgatgacag ttctaccact accagtagtg ac 532

<210>   3027
<211>   443
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053d11d1

<400>   3027

aaaggaaaag gcaccaaatt caatttatgt ggacacttaa gcggaaaacg cttgaggacg 60

acagaccaat atgaaaaata taggaaaatc ggggggaact tggaatcctc tttttgcacc 120

ttttactttc gagaattata agaatgttac acgcgggtcc gatcacatct tctatctctc 180

```
ggatcagcac aaccttgagg aacagaaata ttcacttgcc aagtttgctt tggctccaag   240

tcaagattgg gagaaagttc ccctgccaat agcatcctcg tttgcatttt caagtgcaga   300

caagttcaag ttctcgccag cccattggac tctatggaca ttctctagtt ggtggacaag   360

gatgttacca tacgtcaaga gcttctccat agtcatcggg ggctgctcaa aggacggagg   420

tccatctttc gagttcacaa gct                                           443
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<210>       3028
<211>       339
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220053d12a1

<400>       3028
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gtcttgaaat caagtatcaa tataatggac caaaggcttc cattgttggg aagatatgtg    60

aattgcaatg caaaggcttg ggtccaaccg gagtgcaaag agatgcaagg aaaaatggga   120

taacatcaac aatttcttta agaaagttag ggagagtagc aaagaaaggc gtgaagatag   180

caagacatgt ncctatttcc acgagcttga agctctatac aaagaaaagg gaaaatctcn   240

nancctcttt ggcatgtttc agaatatgac gccaaatgat acgattatga tgtagtcatt   300

tgatggtgca tccggagcaa caatagatgt ctccacctt                         339
```

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<210>       3029
<211>       355
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220053d12d1

<400>       3029
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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt    60

tttttttttt tttttttttt tttttaaccc cccgcccta aaattttggg ttccggggcc    120

caaaattttt tttttttttcc aaccgggcg ggggggggga aaaaaaccg caaaaacttt   180

tattttgcct ccaacaaatg ttccaaaaaa aatttttgt aaccccccc taaagcaggg    240

gggaaaaaca aataaaaaaa aagggcccc cctctaaaaa ggggggccaa aaacaaaaaa    300

aaaggggccc gaaaaaagat ttttgtttttt tccccgccc aaatgttttg gaact        355
```

<210> 3030
<211> 518
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e01a1

<400> 3030

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cttcgaagga agatatccgt tggaaaccaa aaccaaaagc aagatcaaga tgagaaatgg    60

gtagagaggg atttcttgag tttgagtgag acaagggaga attcttcaaa gagatccatg   120

gaggaagagt gtgaaaggga gacgaatggt ggcagcaaga tgcagaagct tgagactctt   180

agcctctctc ttgctttgcc tgatgtgtcg ctctctctca gcctccaa cgctttgcaa      240

aatggcgacc aactcgttag gccaaagcct agtaagccat ccacaaggac cacaactact   300

atcaattcat gttcaaatga ttacacagca gcttctgtgt ctcactctta ctctcaccct   360

ttctcacaca accaaagttg ctcactcacc cgaaattcga ccgagaattt cgagtactca   420

cacagcaaag atgatcaaat ctggcattgt ggggaggcga ctaatggctc ggttcatagc   480

aggttcaagc cattggagat gggctgcttt ggtcatca                           518
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<210> 3031
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e01d1

<400> 3031

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gctgaaatgt aatttcctcc ttcacaacaa ataatatcgt taggttacag tttagaaagc    60

acccacatgc actcatttca aacatatatc ctacatctaa ctgctacaac tcagtaaaca   120

atattagata acaccaaaga gaaacaagga aagcctaaaa agtagatttc ctaacactaa   180

taacacctaa cacaaagcga acaatttctc aagtcaaaac caacctgaca ctcatccatc   240

ccactataag tgtcatgtta attgtcagca tcagtcaagc atgagcccaa aaggggtttg   300

acactgtaga acaccaaata cttggcaggg agcatgttta gcatgcaact ccagcatctg   360

catggctggg gttggactca ttttcaggga aagaggctga atcatcagaa gctgagttcc   420

cagagctt                                                           428
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<210> 3032
<211> 550
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e02a1

<400> 3032

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gggtccgtgt cgtaaaccct ccttgcatt  tctctcggtt  gttctatttc  tgggtctcta   60

tgaggcagca gcagaacaga ctcagactca caagagtact  tacattgtac  acgtggcgaa  120

atcggagatg cccgagagct tcgagcacca cgctgcgtgg  tatgagtcgt  cactgaagac  180

cgtgtctgac tcggcggaga tgatttacac ctacgacaac  gccattcacg  gctacgcgac  240

gagattaacc gctgaggaag cgcgtttgct ccagcgccaa  acggggattc  tggctgtttt  300

gccggagacg aggtacgagc ttttcacgac gcgaacgcct  ttgcttctcg  gacttgacaa  360

gagcgccgac ttgttcccccg agtcgagttc gggaagtgac  gtcatcgtcg  gagtcctcga  420

caccggcgtc tggccggaga gcaagagctt cgacgacacc  ggactcggac  ccgatccgag  480

cacgtggaaa ggcgcgtgcg agacgggaac gaatttcacc  gcgtcgaact  gcaacagaaa  540

gttgatcgga                                                            550
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<210> 3033
<211> 385
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e02d1

<400> 3033

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ggtcggcggg ggtggggggga aggggggaaaa caagaaagac  aaacagacaa  gcagaaacac   60

cagaagccga ggggcacgac gcccgagcgc cacacacggg  gggcaggacg  aagaggccca  120

cggggggggg ggggggaaaa aaggacggga gggggcgggggg  ggggggggggg  ggggggaacgc  180

ggggggaggg ggcacggggg ggggggggacc aagcgcgggg  gggcgcccgg  gagcgggaac  240

gaccgggggc ccgcagggggg ggggggaaaaa gacacccggg  gggggcaaggg  ggggggggggcc  300

gcaacagggg cggccggcgg ggagggcacc ccgggggggcg  cagggacgga  ggcccgggggg  360

caaccggggg ggggggcaccc cggggg                                           385
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<210> 3034
<211> 582
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e03a1

<400> 3034

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ctccaagaac cccgccgatg ccgtcttcga cttcgccaac gacgactcct tccccgcctc   60

cgccgacgac gacgcctcct tccgcctcgt cgacggaaag cccccgccgc gccccaaatt  120

cggcccccaag tggcgcttcc agcagcagcg ccagctccct cagcggcgcg acgaggaagt  180

cgaggccaag aagcgcgagc aggagaagga acgagcccgc agagaccgtc tctaccacat  240

gaaccgctca aaccctaacc aacagcgccg cgaagccgcc gtcttcaaat cctccgtgga  300

tatccaaccc gagtggaaca tgcacgacca gatccccttc agcaccttct ccaagctctc  360

cttcaccgtt cccgaacccg aagacctcct cctctgcggc gccctcgagt attacgaccg  420

cacctacgat cggatcactc ccaaaaacga acgccgcctc gaacgcttca agaatcggaa  480

cttcttcaaa gtcaccacca ccgacgaccc cgtcattcgc agactcgtca acgaggacca  540

agccaccgtt ttcgccaccg acacgattct ctccactctc at                     582
```

<210> 3035
<211> 358
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e03d1

<400> 3035

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atcaaatgac aaccccaccg tttcaacggt gttcacaatc acatcttcta aaaggagcta   60

cagggcaaag aatgcaagat agccatacaa aagtattcag aggaagacaa actgttagtc  120

agcactagaa aaatacacat tttattttat ttacaaacaa acctcaaaag ctgtacacaa  180

caaatgacct tatcaatatt tcatttggtg accaaaattg ctaaacttag caaccaagaa  240

aaagaagatt ctaaaactct actcataccc ttttcttcaa gttaatcacc tagctggtac  300

aacagggtct tctctgcacc agctaggtga ttaacttgaa gaaaactcta ctcatacc    358
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<210> 3036
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e04a1

<400> 3036

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ctttgtgggt catactgatt ataaatacct gaggtaccaa gtaattgata cgccagggat    60

tttggacagg ccttttgaag atcgtaatat tattgagatg tgcagtatca ctgctctagc   120

acatttgaga gctgcaatct tgtttttctt ggacgtctct ggatcttgtg gttacagtat   180

tgctcagcag gcagcgctgt ttcacagcat taagtctttg tttatgaaca agccgttgat   240

tatagtctgc aacaagactg acttgcagcc actggagggg atatcagagg aagacatgaa   300

gttggtcaat gagatgaaag ctgaagcctt gaagactcta gttggtcaag gaggtgagcc   360

tacagacaat aacagtgtat tgttgaccat gagcactttg acagaagaag gggtaattgc   420

tgtaaaaaat gcagcatgtg agaggttatt ggatcagagg gtggagataa agatgaagtc   480

aaagaacatt aacgactgct tgataggttt atg                                 513
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<210> 3037
<211> 482
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e04d1

<400> 3037

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gattgaaaat tttattagcc attttaagaa atgggcaaaa atgcaaaagg gtcagcgttg    60

tttcaaaaaa ccatttttac ttactattgg aagtaaaaaa attcttaccg cttcagacgt   120

acgaaaacca cggcatcacc gaaggcttta caaacgtgtc gaggtaatgc ttctttgtat   180

cggatgcgct catcgatgtt tccatggcta gcatggcttg gtggaattgg gtgatggcat   240

cggtcaggat ggcctcgttg gagaatggag ccgttgtgta gccattcatc aaggactggg   300

acagcgggat cgggcggtag aattgtacta ccgtggagga cagcaacggg aacaggtcgg   360

acggaatgac gtattcgaac gggttgacgt tcacccactt tttagtcgga agtggtgcgt   420

tataaagtgc tccagtacgg aacggtgccg cttgactgtg ccacgacact cttccgttca   480

tg                                                                   482
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<210>   3038
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220053e05a1

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tgtctgcatt atacccgtct cagcacatgg tacaaatcct gccagtgctg ctatgtgtgc   180

aatgaaaatt gtatctgttg gaactgatgc caagggaaac atcaatattg aagagttgag   240

gaaggctgct gaaacacata aggacaacct agctgctctt atggtaacat atccttcaac   300

ccatggtgtt tatgaagaag gtattgatga gatatgcaag gttattcatg ataacggagg   360

tcaagtatat atggatggtg ctaacatgaa tgcacaggtg ggacttacaa gcccaagttg   420

gattggagca gatgtttgcc atctgaatct ccataagaca ttttgcattc ctcatggaag   480

aagtggccct ggcatg   496

<210>   3039
<211>   475
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220053e05d1

<400>   3039

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tccaattttg tgctcgtttt ttgtgagaca aggaggaacc taggacactt gatcttccag   180

aatcctcccc aacatcaatt tgattaaatg ttccatataa tgaaggtgaa tatgcttgtg   240

gaatatccaa agcaactgcc ctcttaaggg ctgcatggta ctcttcactg tgttctcggg   300

ctatagattc atgcctctcc atcttctgct cttctgggat ctccatatgc tgctcatctt   360

tatctcgcat taaatcgaga gcccgtcggg attctctctc tatccaaatg atggcatggt   420

cagaagttgc attgcatgaa agaactaaat gctcaaacct cccatcacag gtact   475

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053e06a1

<400>      3040

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gaatgctctc aagaaagaaa aagaagaaac tggtttgcag gttgatcgtg tagatgctct     120

tccaatcaag acattggatg gaaagatcca ttaccagaca gctacgaaga cagtattgga     180

aaatgatcca agtgaagaga gaactggaga gaatgtcaaa aaagataaag gtatggtcaa     240

gctaactaag gctgaaaaga gagccaagct taagaaaatg agaaaagacg cacaacaaca     300

agggaaagag gtggctaaag cagaagtgga agagacacca caagcagcag tattggctga     360

ggtaaaggaa gatcttacag ctgaggaggc atttgaaagt aagaagcata aacttgcaga     420

attggggaat gccttgctta cagatccaga gtccaatatt aaaattttga ggagatggtg     480

cagatatcta aagataatga tgatacccat tgtaaacttg gact                      524


<210>      3041
<211>      408
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053e06d1

<400>      3041

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cttcaaaagt gcttgaacac ggccatggta tgggtatcca cctcgatcaa aggcaacctt     180

tgggatcccc ttttccaaac aggattttgc aatgatctca cccctccttt ttggtactta     240

aactggtggg cccgcggagt tatttaactc attaacaacc gttttttggt ttggttacac     300

cgaaacaagc gtgcgccttg gggtgtcatc aatcacctgc acagaaagat gctttgttta     360

ccggaacacg gacagccttg cctttttggg cgtcccttca accttttt                 408
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<210> 3042
<211> 542
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e07a1

<400> 3042

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aagtacaccg agactgagat tcagtccgtg tacaactacg aaaccaccga acttgttcac   180

gagaacagga atggcaccta tcagtggatt gtcaaaccca aatccgtcaa ctaccaattt   240

aaaaccaaca cccatgttcc aaaattgggg gtgatgcttg tgggttgggg tggaaacaac   300

ggctctaccc tcaccggtgg tgttattgct aacagagagg gcatttcatg ggctacaaag   360

gacaagattc aacaagccaa ttactttggc tccctcaccc aagcctcagc tattcgagtt   420

ggatccttcc agggagagga aatctatgcc ccattcaaga gtctgcttcc aatggttaat   480

cctgacgaca ttgtgtttgg gggatgggat atcagcaaca tgaacctggc tgatgccatg   540

gc                                                                 542
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<210> 3043
<211> 516
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053e07d1

<400> 3043

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acatgattat acaaaggctg tgtagcttaa cccaatatgc tagctacatc accttctggc   120

ggtaaattag tgtaacaatg aaatggttca ctcaattcca tctcttggca tttctcacgc   180

ctttggactt ctgttttgct gcctgaaagg cctgcatctt ttgtttcttc cgtgcctctt   240

tctcagcctt ggacatctta tatttggctt tcactttagg agctttgcta tcaagctcaa   300

cctcgcgttc aagttctgtt tacctagcat caaaattctt ctctaaataa taagtcgaat   360

cacctgcata atcctgaatg gcgccatctt taagtcctat cactctatta actatttgct   420

ttataaagta tcggtcatga gatactgtga taacagtgcc ctggtattca ttaattgctt   480
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gctcgagcat ttctttagaa ggtgtatcca agtgat   516

<210>   3044
<211>   547
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053e08a1

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gagcaagatt ggggagaccc ttcatgtggg agggcacaag aaggaggagg agcataaggg   120

tgagcaccat gctggagaat acaaagggga gcaccatggt gaacacagta gtgagtacaa   180

aggagagcat catggtgaac acaaagctgg agagtaccat ggtgagcaca agccagagca   240

caaagagggg ttcctagaca aagtcaagga caagatccat ggtgagggcg gcgccgccga   300

cggcgagaag aagaagaagg agaagaagaa gaaggagcat ggccatgagc atggccatga   360

cagcagcagc agcagtgaca gtgattaaac tgctgcatca cctatatatt taaaaggttt   420

atgggaccat agtagcgagg gctgggcctt aattactctc tatctctctc tctatgtgta   480

tatctctctc tcttttttcct ttggccctat cttgtgatct atttatgagt gagaaaaaca   540

taagtga   547

<210>   3045
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053e08d1

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atgcgcatgc ggtatcccta acaattgtac acactaacta ttgacatgga cgggtagatg   120

cccacaatag acatgtggca aattacaatt gagttcgtga tgtccttaca tttctttgcc   180

atgcgtgaca tccgttttca aacagaaagg ggaagaatgg aaaaatatta ccttacgaaa   240

tattaacaaa taaaaataaa aattgggcag ttctgcagga aatgtctttc ttgaatatac   300

gggagcccat tcaatgacta ctacatgcag atgcaataaa acagtctctt ctaacagtgt   360

actactcaac tccggcatgc agaagatact tgtgaatcaa aatcttcttc ccaccacgtg 420

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<210>   3046
<211>   579
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053e09a1

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ccattgaggt gggttaccgt cattttgaca ctgctgcagt gtatggaaca gaggaagcca 180

taggcctagc cgtggccaaa gccatagaca aaggccttat aaagagtaga gatgaagttt 240

tcatcacttc aaagccttgg aacacagatg cacaccgtga ccttattgtc ccagctctta 300

agaccacatt aaagaagctg gggacggagt atgtggatct ttatctgatt cattggccag 360

tgaggctgag acatgatctt gaaaatccta ctgtttttac caaggaagat gtgctgcctt 420

ttgatataga agggacatgg aaagctatgg aagagtgtta caagttggga atagcaaagt 480

ccattggcat atgcaattat ggtatcaaaa aactcactaa actcttggaa atagccacca 540

ttcctcctgc agtcattagg tggaaatgaa cccatcttg   579

<210>   3047
<211>   526
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053e09d1

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atggaaagaa ctggttcaaa atctcgatca attccttttt caaatcctgc ggcagctgcg 120

cgagctcttc ccgcgtgcca taaatggcct acaaatagga agaatcctag aacaaaatga 180

gaagtagcta accaacttct aggagaaaca taattgactg cattaatctc tgtagctacg 240

ccacccacgg aatttaagga acctaaagga gcatgagtca tatattccgc agaacggcgt 300

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tcttgccaag gctgtatatc tttttttcagt ctactcaagt ctaaaccatt cggaccccctt   360

agaggttcta accaaggagc acgcaaatcc caaaaacgca tagtttctcc cccaaaaata   420

acttctcctg tcggggaacg cattagatat ttacctaaac ctgtaggtcc ttgagcagat   480

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<210>      3048
<211>      579
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220053e10a1

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gagacggcgt cgaattccag gtcgataaga ttcctgcctc tggcaatcat gggggtaatc   180

tcaaaacaaa gggaatcgtg tatttgtcga atattcggat ggtcttcgtt gctaaaagtc   240

cagttggaca cttcactgct tttgatatgc ctttgcttta catccatggt gaaaagttta   300

accagccaat atttcactgc aacaatctct ctggacatgt tgaacctgtg gtcccaaatg   360

accaacacag agctctttac tcaacacact catttaagat cttattcaaa gagggaggct   420

gtggaacctt cattccccctt ttcttcaatt tgattacttc agtgaggcag aattatcaac   480

acactaattt gcagacacaa aattatgtgg atccttngca ggcatctcaa actccagctg   540

atgagatgat gagacatgcg tttgttgata ctaatgatc                           579


<210>      3049
<211>      484
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053e10d1

<400>      3049

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gattaaatcc ttctattaag tatggaaaac aaaagaaagt tgcatgtaat cccaaattaa   120
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tagaacctta ttttgcatga cacaaaaaac aaaggcaggg gattgagctg agttaactag   180

caattcttga attgagaaaa ccatatatat atatatataa tgtggtgtta tcgctattct   240

ttagcaactc aatcattccc ttccctttga tttgagttca ctcccagtct tcgtcactca   300

attcatcatt ttcttctttg ggaggtctaa caaccaataa cacagttcct aaactctgag   360

tgaaaccctt ttccttcaat cccgaacccc tctcgacctt gaaaccctca ccatcagcat   420

tcacaagata aaacccatca tcggcaccca cctctttttt actcctgtca gccaccacca   480

atat   484

<210>   3050
<211>   514
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053e11a1

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cgaagactct tccatcgatc ccgcctctct ccgatcaccg cccctctccg accctactcc   180

cctcaccacc gatcccaccc cccaacctcc tgcttcagat ctccccaaat cccctcccgc   240

caccaccttc gatttctggg acgacgaaga attcgaaggc gtccccgtcg aacaccccgc   300

ccccgagcct tcctccgatc ccaaatcccc cgaaaactcc accaccactc aaacccctcc   360

aaccctcacc cctccgcgct ccttcaccgt agagatcgtc tgcggaagct ttcttattat   420

gttcgcaatc aactacttca ctgggaagcg cgagaacgag aacatcgcgc tatcgtgggc   480

ggcgcagttc gcggcgaagg attcgatctt cgag   514

<210>   3051
<211>   457
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053e11d1

<400>   3051

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tggttattgc atttgtagga cacttcactt ggaataaacg ggcatttttt gcccctacga   180

ttaagttgta aattaaagtt tttaacccac ccttctctct ctctctctct ctgtatatat   240

atatatatat atgcagattc atcctctaat ttgcttagct tcattccatt tctcaatgtt   300

tctgagtctg gcgtacatct tgcgaattcg gtttagtttt tgagactctt gagcaatcaa   360

attagccgct gaagggctct catctaagac cacctcgtaa ccgtctcgat aagaatccat   420

tccttgagcc ataagttgcc aaaacaggcc accaaca   457

<210>   3052
<211>   550
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053e12a1

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ttgatacctc tgattctttc tttgcttaga attccacaga atatggagac tgttctttc   120

aatcactccc cacctttgga attcaagggt ttgagcaagg aggaggaaga ctcattgcta   180

gggcaagtgg aaatatggag gtacatgaca tgcttcacgg actccgtggc cttgaaagct   240

gtcatagagc ttcgtatagc ggacatacta gaccgttatg gtaaaccact atccttgtcg   300

caaattgtgg agaacataga agacgcaccc tccccagatg cctctcttct ctagagagtc   360

ctgagagtga tggtgcgcag aaagatcttc agtgcacaag aatcagagac aggagaaacc   420

ctcttcggct tgacacgagc ctcgaagtgg atccttcgcg acacgaaaat gaccctagca   480

cccatgttgc tgctggagaa ccacccaatt cacctgaacc ctgcgcacta catcagtgag   540

attattagag   550

<210>   3053
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ttaaatctct ggaagtatag ttctatatgc tactattcaa tgtttacagg gagctagcat   180

cccctcccat gccaggaatt ccagtatacc agaatcacgg tacaatattt cataattagt   240

gactgcatgc atgtgtatat atatgtaaat gaaaataaca taaaccctct ccttttcttt   300

tcttggtgct gctagcgaag ttaattagcc aagtctagag aaacactcat cagaactcta   360

agatttctct cataaattat ccaatattgt tttagctagc tagctagcca tcagttctta   420

cttcctaggc cacgaaatct ggtaataact gatgagcaac aaacctcttt ctgttttgaa   480

tatcaatgct ctcataagtg gttcctgagt gagaagaagg tggagcagtg ttgatagtac   540

aaaact                                                              546
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<210>   3054
<211>   517
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ctaaacctcg gagattaaat ggcacccaca acccttctta tcaatacttc aatttggatg   180

ccgttgactg gcaagctgac atagaaaaat gcttgacttg ggaagctcac agccgacttt   240

caaacggatt gtctattaac tttcttgata tcgctgccaa agagttaggc tgtactattt   300

ccatgtgaaa tgaaatcatc catcttagtc tgtgacaatt ttttgctaga cttatagaaa   360

aagaaaaaga aaacagaagt tattgatatg cttatggaac taacgggttt gcaaataagc   420

ataattctgc tagtcctgtt aaaaagagct gcaatcataa ttctagtatg tttatagaaa   480

gctcattttg catcatgcat gtactctagc taaacta                            517
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<210>   3055
<211>   458
<212>   DNA
<213>   Glycine max
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<223>   Clone ID: jC-gmfl02220053f01d1

<400>   3055

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tttttttttt ttctttttat ttatgtttta ttttctttta aaaaaaccca aaaacctaga   120

aaggggacgg ggcaacccag ggaaccttta caacaaaaaa aaaaggggg ccccgtttcc   180

taaaaagggg acacccccga gagggaaaag ggggcccaaa aacttgaaaa gaatcatttt   240

tggcccctaa agggggggaa aaaaacctga aaaaaaaaa atgccaaggc accggggggc   300

cccttggac aggcccccccc caaaatgggg gcccgaaaag ttccccaatg ggtgacaaca   360

ctcccggatt tgggaaccac cccattttcc cccgggggggg acaaaagggg tttaggaaac   420

ccacccaaag aggcagtttt ttatccccca attttgag   458

<210>   3056
<211>   466
<212>   DNA
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<223>   Clone ID: jC-gmfl02220053f02a1

<400>   3056

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cggcaccata gactttatct ggggagcata tgcaacctta attcagaact caagagtcat   180

agtaaggaag ccagactcac accaattcaa cacagtgacc gcaaatggaa ccaagcatat   240

gaacatggcc acaggaattg tgctccagaa ctgctagatc ttgccggagc aggctctgtt   300

ccctgcaagg tgccaaacga catcgtactt ggggaggccg tggaaggagt ccgcgagaac   360

agtggttatg gaatcgaaca ttgtcgactg catttagccc gaagggtgga ccccttggga   420

tgggaacctg tatctcgata cgtagtacta tgctgagtat gcttac   466

<210>   3057
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053f02d1

1198

<400> 3057

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agatgcgtac acacctctta tctttcaagc ggtgtagcat gatcaggaat tattttttggg   180

atacaacctc tctgaactca tcgtctctca gtgataatat cggagaggac caataccgat   240

gccttccagc cccccgactt tctagctttg tcttgatccc cccaagtata actcggtgtt   300

gctgatgccg aatgggtatc ccgttggata tcaaaatgca atgctcaatc aatcggatca   360

atcttttcc cacaagtgaa acttcggctt gttcgttcaa cttccacctc acgatcaatc   420

cttacgtcgc gtctatttct ttccgagaag accgccgaca atggggatgt tgctgaca    478
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<210>   3058
<211>   554
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053f03a1

<400>   3058

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tctgatgatc gtcgggaccg tcctatcgga aaccgccatg gccgacgccg actgcgccgg   180

cgggaaaacc atactgcacc tggagcccaa ctacttctac ggcagccact tggcttgtgt   240

ctgcctccac gatctcacta ggtacctcac ttagccgcac tccctgccct gcgccgcaac   300

cgacgacgca tcctccgact ctgacgacat cggtgtcgtc gacctcgtac accaacccct   360

ctgcaccgac gcggggaccg cgacctacga tgaatgcgcg gttgttagcg aaaattcgcg   420

aaaattcaac atcgatttgg gaggtcccag ggcgctgctt tgcgcggaca agacgatcga   480

tctgctgatg aaatctggcg ctgtgcagta tgtggagtga aaggaattga caagagcttc   540

gctatgaagc gacg                                                     554
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<210>   3059
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<213>   Glycine max
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<223>        Clone ID: jC-gmf102220053f03d1

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acaacttttg acaataatcc attgtatact agacacctag caacagagca agccccaaag        120

atatactagt tgacaagaat ttgtttтcgg aacccactct cgtcccccac aaaaaacaaa        180

taatgtgcag gcaaggaacg gaattgcata tgacacaatg atctaactat cagcggctct        240

gaaaatagtg agcagagaca ggaagaggtt aatgatgtcc agatacaagg agatcgaagc        300

ccaaatgtat tcatcgtacg agtatctctt gatcaggttg tctgtgtcat agatgatgta        360

gccgcaaaat ataatggctg ccaagcaacc atagatcatc acggacaatt tacccagtgg        420

aaacagaacc tgaatcagag caaagaccat aagaactagc actgcaccaa acaagaaggg        480

tccaaggaag ttgaaatcat        500


<210>        3060
<211>        541
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmf102220053f04a1

<400>        3060

ggaaatagga aaaaaaaaa ttcctgtgaa cggaaattag ggctctcaag ttgcaatttc        60

ggttgcagat tggggtggta ccgttgcaat tgcaataatt tttgaagagg aaaaaaaaga        120

ttcggaccac ttccgaagta gttccttaac cccgattagt catttgcatc ctccaatttt        180

gatggaatat gtttaatcta tgatttcgtt ctcttaatgc tttgaagttt atctagggtt        240

tgctattgca atttggtatc agaagattga ttaacctтта tctatggccc gagcacgcaa        300

tctaattgtc gctgtgggtt tagttgcttt cgctgcagca ggcatgacat ttcccttcta        360

catggcttca tcaaggaaac ctgttattga cccaacaaag ccacttccac cacaagcaac        420

ttttctaggg ccttacatta acacagggtc gcgtgatgtt ggtccccaga agaaatgaag        480

caagttcagt tatttgatca agctcatata tgtgctcatt gtctgaggtt aaatttttat        540

a        541


<210>        3061

<211> 547
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220053f04d1

<400> 3061

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agtagctagt tgataaattc acacttaaat tccaagcaaa atatcaaggg gtacaacacc    60

taaaaatgct gaagtgaccc tacctctgca aattgctggt tgatcaattc aatcatttgc   120

actccaagga acatatcaag ggtacaagta caacacacaa gaatcctgaa gtgaccccag   180

ttttgctact tgctacagtt gatcaattcc atcatttgca ctccaagaaa aatatcaaag   240

tgtacaaaac ctaagaatcc tgaactgacc ctatctttgc taacttctag ttgatcaatt   300

caatcattta cattccaatc aaaatcaaga tgtagcttga tggatactgc tagaccttgg   360

atagaagcta cagaacaaat aattcaagta caaaagcata tatatacgta agatcacagg   420

agccaaaatt gtcagatatc cttacctctt ttatcttaaa gggttgcaca attacaggaa   480

attgattntt tcttattttt ggtttagcta ccaggaagga gctcacaata acattactta   540

accaaac                                                              547
```

<210> 3062
<211> 436
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053f05a1

<400> 3062

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aaattctcga cgaagcaacc ctgaccataa ccacactctc tcaagtccca agaaagaacc    60

ctctcaccta gctagctatc aaactaccga ttcatagcac tcttctcttc ctcacttatg   120

cgaaacgcaa acatggttct cgttctcctt ttccttatgg caatcttctc cgccatgacc   180

actccgtcaa cctccgcgat cgacaccttc atcttcggcg gctgctccca ggccaagttc   240

acgccgggtt ccgcctacga aaacaccgtc aactccctcc taacctcgct ggtcaactct   300

gcggccttcg ccaactacaa caacttcacc gttccagcct cttccgacac cgtctacggc   360

ctcttccagt gccgtggcga cctcccccaac gaccagtgct cgcgctgcgt ctcgcgtgcg   420

gtcacccagc tcggca                                                    436
```

<210> 3063
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053f05d1

<400> 3063

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tttctttttt tttttttta tttgtctcat ttttctgcta actttattta aaaataccaa    60

aagaaggggt ttactgtgga ctcttcaaaa cagggttacc ataaatgaaa ataacccaca   120

tttgtggatt ttagcataac acaatcgatt caaaacgaca tgtgagtctt ccactcattt   180

tcttgcttct tcttaagcca taagtttcct catactacaa gatcataatg gttctcaccg   240

ctgtataata gccccacatc ttttctgtta tgacccttca taaagcgact aacatactct   300

gctgtgggaa tgaaaccata tgcaaaacca ccactttat gctgatgctc tggtatgtac    360

acaatgattg gctgcttaca taactttgac tgtaccaata gatattattc tgctcccca    419
```


<210> 3064
<211> 547
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053f06a1

<400> 3064

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cttgatttct cgtcgaaggt ggatcagcac ggtgctccgc cggagcagag gatcactccc    60

cggcaacagc aggtgaagaa gagccgaaga ggaccgcggt cgcgaagctc gcagtatcgc   120

ggcgttactt tctatcgcag aaccggaaga tgggaatcgc acatttggga ctgtgggaaa   180

caagtgtact tgggtggatt tgacaccgcg catgttgcgg caagggctta tgatcgagct   240

gcgatcaagt tccgtggcgt tgatgcggat atcaattta acgttagcga ttacgatgaa    300

gatataaagc agatgagtaa cttcacgaag gaggagtttg tgcacatttt gcggcgacag   360

agcactggtt tttcgagggg aagctccaaa tacaggggag ttactctgca taagtgcggg   420

cgatgggaag ctcgtatggg gcagtttctt ggtaaaaagt atatatatct tgggctattc   480

gacagtgaat tagaggctgc aagagcgtat gataaggcag ctataaaatg cattggaagg   540

gaagcag                                                            547
```

<210> 3065
<211> 513
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220053f06d1

<400> 3065

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gcaagaagcc aagagcaatc ccttttcaat taacactatt acattattgt tatataatga    60

agctgattat gatgcttgca gcatcaataa agcagtatat aatatataca gatttttgc     120

aaattagagg atccaaacaa acaagctaat caaacaattt tgaaagaata tattttttc     180

ttgctttgta agaatatagc tcctctattc cctgttcatg gtaaccttat ctagattaca    240

tctgttgacc ttgacagtgg cacaaaatct atgaggaagc tggcattgga actcgaagta    300

cttgttgcag aaagcgtgct gcaagacgtt gagtgatccc acccataaca cgctccccaa    360

gtctgcgtgc ttcaggttgc tgaagaacct gtagtatagg tagtaaaaga tctggatcat    420

aatcattaga ggatcgcaga agttcccata tcctaattac ttgatctcta agctctatca    480

agttttgcat ttcagtttct gacgttataa tgg                                 513
```

<210> 3066
<211> 502
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220053f07a1

<400> 3066

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ctcttatttt attcttcatc caatgactat acattcatta tctttttgtg taaatagatg    60

aacaactctg tggaaacccg gcgtgttaat tgtctcttga tggatgagaa gcttaaatac    120

aagcgccaat ctagtaaatc catgggtggt ctcggtccta ttgacaatac cagtctcagg    180

ggagaccsta atattttacc cgatattgaa aaaaaccttc acaggcattt gccttatctc    240

aaaatggggg gttttttttt atagcgagcc gaaaactgtt tctaggactg atcctgctca    300

ttccatgtgt gaaactcagt ttagatttaa caagaacatt gctattatca ttgacatgac    360

cattgagagt ttcaattcag gtgatatcgt caactacacc gatatttatt tttatagtat    420

cgtacctttg aagggcagac attgccgtga aagcgataac tctagtacta gtataataac    480
```

ttgtacgaat gatacctatg at   502

<210>   3067
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053f07d1

<400>   3067

gggggaaatg tagggactaa tgatagtata acacgttaaa tccaaataat gctaccggtt   60

ggtagcaatt tatgtcctgt ataagtacta actactaact aactagcact ttcactttcc   120

ttacctaggt aataattttc tatacaacca tcttcagtgg ttggaaacat gcacattatg   180

gaactgtgaa aattgaaatg tgtatgatat gatatgatac gtcacctctc caatgaaact   240

attaggccaa aagctcatgt caatggtctc tctatgtatc aacaaccacc accatcagct   300

ggctcaattg aacttagaag gccgtttcct cttaactgca tgcagtggtc ttcagcatcc   360

acttgagcac atactatcac cactgctagt ccattataat gtgcctcctg catgatgtta   420

accgcactat caattgtcat tccaggtatc accttcatca acacttgcac aacatat   477

<210>   3068
<211>   289
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053f08a1

<400>·   3068

gactttcgat tcattttcta ttcaagctat tggatatgac tctgactgtg aggaatctca   60

taccttatgt gcatgggaca ttaccgtatg agaacctaaa accgaacccg ggtctgagga   120

acctgttgct gatcgctacc tataggagac tcatcttgac gaacacagac aaagtccacg   180

cggataacgc gctgagcacg cttggattag aagactgctg gggaggactc atatgcttag   240

agaccctgga tcctatacac aagagcactg attatgacga tgaagatga   289

<210>   3069
<211>   288
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053f09a1

<400>   3069

atggcaacag caacaggggc ctcaacacgg acacggcctt ttgttgcttc gaaggtctct   60

ttttcggtgg tggttgtttt cattctctct cttttggtcg cttagctttc tgggttcctc   120

tctcccaatg acgtctcaac aacatcctta tcttccttcc ctttcacaca gacacaaaaa   180

gatcaatagc attgttatct agtgacaaaa aagagtacca ttgtgattgt taaattatac   240

tatagtacat gtaaattgta aagtggtagt agtacaagcg tttcaatc   288

<210>   3070
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053f09d1

<400>   3070

ggggctccct tgtatccagg tgccacagaa atgctaattt ctgcaactaa atcaatcaca   60

tgttctacct aggagcagca atagaaactt tacctgcaat ggaccaggac ggactattgt   120

gtatccaagg ccagatcttc ttaaggaatc ttcaccagcc ctcttggctt taagaacctg   180

ctcccgcctg gaaggctcaa ttcctagtcc agaacatgaa actaatacaa aatcggtttc   240

ttgcccagta ggcaaggctt taatatattc caatataagc ttaaagcttc ttaaatcctg   300

tttcattggt gcatttcctt caacaggcct ctgtcttcta ggctcaaagc gtatggtcaa   360

agtatgcaca agaaaaggat ctaacactgg atcatctggt ttcactgggc ggaatgatga   420

aaatggtact ctaaccctac aaaatcccac ttttgtacta attcttgcaa aatacaatct   480

actctgactt ggatctgccg aaggaccagc ttctagaatt aatacataag atc   533

<210>   3071
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053f10a1

<400>   3071

ctcgagccga atcggctcga gccctccttc agccacacgt gtgggacact cttggatgtt   60

1205

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gagctagtcc tcaggttggt taagaggttt atgagtttgg accgtgatgg tgctgctttg  120
gttaaggtgg ccaagttggt tgattgctac ctcgctgagg ctgctgtgga tgccaatttg  180
accttgtctg agttcattgc acttgctgga gctcttccaa gtcattcaag agccacggat  240
gatggcttgt accgagccat tgacacgtat ctaaaagcac atccagatgt gtcaaagcaa  300
gaaaggaagg gcctgtgtag gctgcttgat agccggaaac tcacaacgga ggcctcactt  360
catgcagctc agaatgaacg gttgcctgtg agagctgtga ttcaggtgct cttctccgaa  420
caaaccaaac tcaaccgcca catagattgg agtggctcct ttagtagctt gaggaagccc  480
aatggaggcc ttgacccacc aggacgatgc ctttcatagc gtgaaacaaa tgctcagcaa  540
atggagat                                                          548


<210>      3072
<211>      396
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220053f10d1

<400>      3072

gggaaaagac aaacccccgg ggcccccca aaaaattgga gggctagggg gttttaagtt   60
ccccccggggg gggggggggg aaaggggaaa aaagatttgg ggggggggaa ttttttttccc  120
taacaaaaac caaaaattgg gccccaact tgggccttaa aaaacaaagg ggcccgggg  180
gggggtttt ttaaaggcct ggggagggga aatggggcac aaaaaattt aaccattcca  240
gggggggggg ttaaccgaga caaaaaccct tgggggcccgg ggggggccaaa aggggggttttt  300
tggccaccaa tatactccct ctaaaaccct tgggggggggg aaaaaccctc ccctttttggt  360
gcccccccca taaatatttt ttgggggggca caaggg                          396


<210>      3073
<211>      513
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220053f11a1

<400>      3073
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acttgcctta tttttggttt tgagattgag ctaaaggcca actcaaccat cgaatttgtt    60

ggtgattgaa agagaaggaa gaagaagcag gaaatggaag cagtgagagc tggtcgagaa   120

ggagcaatag gtctaggtca aggtgatggc gtagccaagg acagcactga gactgaactc   180

accaaaatcc gtctcctcag ggcaattgtt gaaacccgtg atccctcttc caagatctat   240

tgtagccagg aagaggatga ttttatgatt agaagattcc tgcgtgctcg tgatttagat   300

gtagagaagg cttcggcaat gctcctcaag tacttgaaat ggagaaattc atttgttcca   360

aatggctctg tatctgtgtc agatgttcct aacgaacttg cacaagataa ggtgttcatg   420

caaggacacg acangatagg tcgacctata cttatggtct tcggtggaag acattttcag   480

aacaaggatg gtcttgatga attcaagcga ttt                                513


<210>       3074
<211>       494
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220053f11d1

<400>       3074


gataaaaant cctttgatat tcatttcatt cattcagacc aatttaaatc catacaacaa    60

aatccaattt acagagtcac aaatcacaat gactagaagc aatgagaaag aaagcttttc   120

tccatcccat ttcttcctat tttcattgtc acagtttggc taaccaattc ttgaagctaa   180

taataacatc attgccacta gaagaaaaaa aaaacgctga taagaaatag aaaaatcaac   240

taaaaaaaca aaagtaagga ggtgtggaac tagtagagga ccaaactgct gctaaaggtg   300

gcaattctcc caaaaacctc aatttcttgt agtgccagcc aattcacata tcaaatcttc   360

tgcataactt cagtaattga agaggctagc atagcacaac atgatcgatc atccatggca   420

tatcgacaaa taataataat aataataata attagttgtt ccacaccagg gaaaaaagga   480

ccaggtggaa accc                                                     494


<210>       3075
<211>       551
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220053f12a1
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1207

<400> 3075

gcttctttcc ttattatgct ttcaatgttt tgggtggcct tgacaatgaa ggaaagggat   60

gtgtcttcac atatgatgct gttggttcct atgagagggt tggatatagc tctcagggtt   120

ctggatccac acttattatg ccatttcttg ataaccagct gaagtctcct agcccactcc   180

tgttacctgc gcaggatgct gttactccat tgtctgaagc agaagcagtt gatctggtca   240

aaactgtttt tgcatctgca actgagagag atatatacac tggagataag gttgaaatcg   300

tcgtcctaaa tgccagtggt attcgtcgtg aatacatgga cctaaggaaa gattaatgct   360

ttacagaaat ttactgttgg agataccaga cttggattga gaatgtttga aatgcttcta   420

gaattttaaa tgacatagtg ggtttttcac atgaggtgaa aattaaaata gcgtttccag   480

tgaaattgct ttgaacaagt actagtctgc tcacattata actagactgt gctttcactt   540

aaatttgcat t   551

<210>   3076
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053f12d1

<400>   3076

acataaatga atcattatat tcataaatgc tgcatcaagt cacataaatt ttctcggaat   60

ccaaacactt tttactattg cttggttggg agaaggaaga ggagtggggt atactttaac   120

acaattttcc aactctatgg ttttttttagc tttccataat ctctatgtaa cattaaaata   180

taataacaat gtgtatacaa tatccataga aaataaaaag taaaagtag agttaactaa   240

ttaacaccaa gcagatgcga cggtgagagt tcttcccatc cagccaaagc aaatcccacc   300

gttctctact tttaccgcga ctcggttccc agcgccaccg agtcgcgctt tgatcgactc   360

agcgactcgc tgactcagcg gcttcaacct gaacccagcc atgctcatac gcgctcgcca   420

ctttccaaac acctcgcacc gttccacgcg gttccttcct tcgcacgcca ccgagttccc   480

caccttccga ctcagtccct tctcgatcct aactc   515

<210>   3077
<211>   518

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053g01a1

<400> 3077

ccaattcccg aaaccctaac cctacctcct cgcccccatg cccatggcta agaaacgaaa   60

gcttcgatcc tccaacccag aacccaccaa acccgtcgag ccacagcaac agaaccatga   120

gactgttgaa ctcgaccaac agcaacccat ccccgaacca accctagaag actccaacac   180

catggccatc gacgaaccaa aacatgaaca agaagaagaa ccgcaaaacg ccgaaagcga   240

acaagaggta gaggaagagg aagaggaaga agatgaacaa caagaggagc aggaaccaga   300

aactcgagaa gggcaaccgg gaccagaaac cctagaagct gcaaaccaag ccgaagcgaa   360

cggtagcaat gaaggaaaca cgaagaaga ggaagaggag gatctcacac tagaagaaga   420

gcccgtggag aagcttctgg aaccgttcac gaaggagcag ctccactctc tcgtcacgca   480

ggccgtggat atgttccccg aattcgtcga tagcgtgc   518

<210> 3078
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053g01d1

<400> 3078

ctaaaccaaa gaaaaaggcg acagggcaaa aagcgccgta ggaaaaagac acgccccagg   60

gggaccggaa acggggcccc gaaaagaaac ggggggggggg ggaaaaagac caagggggggg   120

ggcgggggggg ccaaaaaagg ggggcaaaag gggccgaaac ggggggcccccg gggcggggcc   180

cctgacgtga cgaaacacc gacggggggg caaaaacccc aaatgggggg ggcggggggg   240

caaaccctgg gggtcggggc gaaaaaaggg ggaccggggc gggtacagga agagggcccg   300

ggctttcggg ggggg   315

<210> 3079
<211> 644
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053g02a1

<400>   3079

gttttctatt ataagacagg gtgttaacgg ctagaagcca aggaatcagt aacataaaat   60

ggaggttcaa tttgccctcc catttcacta acgcacacat cacatcatac cagagactcc   120

atctccctct cgcacgcgac gagggagtcc cgcttcggaa tctcacccccc tctttctgct   180

aattcgcaag atggttgctc agaaattcgt tgtcgacttg aacaagcccc ttgtattcca   240

ggttgggtat cttggggaag cctacgatga ttgggttcac gatcctatcg taagcaaaga   300

aggtcctcgg ttttttccaaa gcggtttcct cgagttgttc acacgcactg catggtgggt   360

gattccaacc gtttgggtgc cggttgcgag ttggttcatt tccaactctg tcaaatcagg   420

cctcccttct cttgatgtag ctctgctcgt ctatctcggc attcttgctt ggactttggc   480

tgaatacacc ttgcaccgtt tcctcttcca tgttaaaacc cagagctact ggggaaatac   540

ctggcattat cttcttcatg gcttgcacca caagcacccc atggatagct atagacttgt   600

tttcccccctg agcagcagct atatagcccc tccgatttct cttc   644

<210>   3080
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220053g02d1

<400>   3080

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taaacaccat gtccatgtaa attgaaccca aaggagtaag taacataaaa aatatgaatc   120

aatggcctca gacattgtag acgcggatca attcacagaa caaaagaaga accatttctc   180

gagcaataat taaacaaaaa ccaatgctca agaggcagta atatttacac tcccgcgtcc   240

accataacaa caaattcaac ctgaaaaatc gcatacacca ttcaccaatc tttctttaac   300

caatcaagaa ttcttcgagt cacgaatttt ctttgccacg gcagccaaat tgtcacgcaa   360

agccaaagcc ttggaagaca cagcctcacc atccaacata gcattacaag gctcgccata   420

acaaccttga ttacaatcct caaactccga agccagagcg gaaaaatcct ccctcatcag   480

caaactattg tgaagaatgg agcacgcgcc aatgt   515

<210> 3081
<211> 555
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053g03a1

<400> 3081

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atcccacctt cccacaacat tgccacctac ctaccatttc ctgtagtttt tttcaaatct   120

tggggtggtt gaaagtttta aacttttctt gatttgattg caagtttggt cttgaatgaa   180

tacttctaag aaaagggtac tgcctcgtgt cattggatgt gtgaatttct gaactcattt   240

cacagaggtc atgcattatt ctgctgcctc tctttgcatc caatacctgc tgtcggttta   300

gacttggaat tcctgattca ggattgttct aagtgtgagc tggatacccc ttcaatcctc   360

tggtattggc atgtaccaaa tttgagaagc ctgtaaaggt ttgctgggga agtagaggat   420

ctacactaat ttgaatgggg cattctgcag ctgtgtggga ctatagagca gcaactgaaa   480

ttacaaagga ctggaatggg attcatcaaa ttgtgcttcc gactccaagg ggtgcttcag   540

cacaggtatg cttac   555

<210> 3082
<211> 407
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053g03d1

<400> 3082

aaaaaaggac ccaaacaaga aaaatacccc ccccaaaggg gaagggccca ggaaaaaaag   60

gggaaaaaag ggggccccaa aagggataag ggggggcccc caaaaggggg aaaaaaaaaa   120

ggggaaccca aacccggggg gaaagcaaaa aggggaaaac ccggggggggc gggaaaaagg   180

ggggcccaaa aaacacaaaa agggtaaaaa acgaaacaga aaaaggggga cccccacaaa   240

aaacccaaaa agggcccaaa ggggggcaaa aaaaccccca aaaagggggg ggaaatggct   300

tgaacggggg ggggcccccct ttggggggcc aaccccctcc cgggaaaaaa aggggaaacc   360

cccaaagggg ggggggggccc aaaggaatgg gggaaaaaaa cggggcc   407

<210> 3083
<211> 534
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220053g04a1

<400> 3083

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caaaacaaca gaaccaaact cagaaccaaa ctcagaacca aactcgccaa aactagggtt    60

ttgcattgat ggcactgtgc aaccgcgtca gatcgggaat ctctctcttc accaaatcca   120

cgttccttac ttcccagcga tccagtctcc aacgatccct cgttgccct ttcatttccc   180

tcgcctccag aaattacgcc aacgtgccgg ggcaaaagga aaccaaagtt aaggtccctc   240

tggctttgtt tggaggttca ggaaactatg cctctgcttt gtatattgca tctgtgaaag   300

ccaatgcagt ggaaaaggtt gagactgagc ttctgcaatt tgttgaggca gtaaagaata   360

gtcccatatt ttcacagttt ataagggact tgtctgtggc taaggatgtt agagtgaaag   420

ttatccagga tatttgtggg gaagccaagt tttcggatgt tacaaagaac tttcttgtta   480

ttggtgctga gaatggaagg cttaaaaaca tagacaccat tgcaaagaga tttg          534
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<210> 3084
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220053g04d1

<400> 3084

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ggataaataa catttatta caaagtcctc catagcatac aataacaaag ttacatggaa    60

attcattaac taccactaac aataccgtta tagccgggtc aaaatgctga atttaaacaa   120

aactaaagag atgaagcaca tgtacattta tttttatttt tatgaaactt agattgaaac   180

aatacaactt aactatatgt tgatgctttg ccaagtgatt ctgcaatctt actggcaata   240

cagtaagatg tagactgaat ggttaccatg gggttgacac caactgcact aggcaaaaca   300

ctcccatcac acacatacaa gccttctgct tcccaagtct caccattctc atcgagtgca   360

ccttcttctt cagaggcacc cattctacaa cttgacatct gatgtgcagt ggtaaacact   420

gtccacactt cattccttga ccttggaccc ccaactattg tcacagtgtc aagaaactcc   480

tccaaatctt cctccttcat ccccttacac ttgattcttt ggccatcact               530
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<210> 3085
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220053g05a1

<400> 3085

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gttgcattgg ctgtgttact gcttcttaca gggacctctt cagctaacct ctcaaagaac   120

ttctattcca agacatgtcc caacgttttc aacactgtaa aatctgtagt taaatctgct   180

gttgtcagag aacctcgcat tggggcatct attgttcgtc tcttcttcca tgactgcttt   240

gttcaaggct gtgatgggtc aatactactt gatgacactc caaccttcca gggggagaaa   300

actgcagctg ctaacaacaa ttcagtgaga ggctttgaag taattgatgc tatcaagtct   360

gaggtcgaga aaatatgccc tggtgtggtc tcatgtgctg atatcttgga cattgcttct   420

cgtgactctg ttgttcttct tggagggcca ttttggaaag ttagacttgg aagaagggat   480

tccagaactg cccactntac tgctgctaac actggtgtta ttccaccctc cacatctaac   540

ctcaccaacc                                                         550
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<210> 3086
<211> 354
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053g05d1

<400> 3086

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tgccgtcctt tttttttttt tttttttttt tttttttttt tttttttaaa aacacaaccc    60

tggggggggg ataaatcttc tcaaagggga tagggaactg cccgggctca agggtgtgtg   120

tgttgccaac aaaaattttt tactaggaca ctgaatgcca aactacctcc tcggaatatt   180

tatcttacag tttaaggggg gggttcaata caactacctt ccaagattga tatccggttt   240

tctccaggtt tcggaccact tgttgggccc ccttggtgac taaaggcccc acaactggtg   300

ttgcagtggg cccccctgcca aggggggttt ccctttattg aacccggcct tttc         354
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<210> 3087
<211> 549
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220053g06a1

<400> 3087

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ctagcataga gctagtaata atattaatat tgttaagcta gctctaagcc atggctaatg    60

aacgtgatct gttctcggcg gagattgtga accgtggaat tgaatcgtca ggaccaaacg   120

ctgggtcgtt gacgttttcg gtgagggtga gaaggcgctt accggatttt cttcaatcgg   180

tgaaccttaa gtacgtgaaa ttgggttacc attatctgat aaaccatggc atatacttgt   240

tcaccatacc ggttcttctc gtggtgttta gtgctgaggt tggaagcctc agcaaagagg   300

acctatggaa gaagctttgg gaagacgcgc gttacgacct tgctacggtt cttgcttcct   360

ttggggtctt cgttttcacc ttgtctgtct acttcatgtc gaggccacgt cccatttacc   420

tcattgattn tgcatgttat aaacccgatg atgaactcaa ggtgtcaagg gagcagttga   480

tggaggtagc aagaaaatca tgcaagttcg acgaagcgag tctggagttt cagaagagga   540

tgctgatgt                                                           549
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<210> 3088
<211> 552
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053g07a1

<400> 3088

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atgacctagt aacgattcac cacatcatgc gtgccactcc tctttaactc tctcatcctt   120

tttctctttc cgtgtcaccc tctttcaggt taatttgcaa tgactgaacc ttccaaggtc   180

attcacgttc gaaatgtggg gcacgaaata tctgaaaatg atttacttca gctgtttcag   240

ccttttggag tcataacaaa gcttgtcatg ctgcgtgcaa aaaatcaggc tcttatccaa   300

atgcaagatg ttccttctgc agttaatgcc ttacaatttt atgcaaatgt tcagccaagc   360

ataaggggga ggaatgttta tgttcaattt tcctcacatc aggaattaac aacaatggag   420
```

caaagtcaag gacgaggaga tgagccaaac cgaattctct tagtcacagt tcatcacatg   480

ctgtatccta tgacagtgga tgtgctgtat caagtatttt ctcctcatgg atctgtggaa   540

aagattgaac at   552

<210>   3089
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220053g07d1

<400>   3089

aaaaaaaaag gggtccccc aaattggggg ggggaaaaa aacccccagg gaggcttttt   60

tcttggccca ccccccccgg gtttttaaaa ccccaaaaaa tggcgggggg gacccccttg   120

ggggcccccg gaatactttt tttcccttaa acccttaaaa aaggggggaa cggggggaaa   180

aaggcccccc cggggaaaaa aagaaatttt ccccccctcc aaaaaggggg gccgggggaa   240

aaaaaaaccc cccggcaaaa aaccccgggg caaaaatttt tttttttaaa aaaaggggggg   300

ggccttttta ccccccccccc ccccccaaaa tgggggaggg gaggggcccc tcccccaagg   360

ggggtcccaa tccttttggg ggtttccaaa acccggggggg ggggggggg   409

<210>   3090
<211>   541
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220053g08a1

<400>   3090

gttcgcactg ggaactggga agaatagaaa gaaaagaaa ccttccgatt ccttcatcgc   60

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atctactcct tttcctcttc ccaaaatcat tctccgattg cgcctagggt tcacacttcg   180

aatcgccgtt ttctgtcatg aattgggctc cgttagcaca cctcgccgac tctcgctgac   240

ggaggagatt cgaaattcgg ccgccaaatg gtttcaatct tgttgtacat cgtcgctttc   300

atttgcacgt gcggagccat tgcgttgtcc ttgcttcaca tttataagca cctcctcaat   360

tacaccgagc ctacttatca gcgcttcatc gttcggatcg tttttatggt cccggtttat   420

gcgttgatgt cattcttatc actttttcta ccacagggtt caatctattt taattcaatc 480

cgggaaatct atgaagcttg ggttatttaa taattcctat cactatgtct cgaatgggtt 540

g   541

<210>   3091
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220053g08d1

<400>   3091

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aaagatacta attataagaa tttgaaagtg aaattataaa gttattaaat gattaatcaa   120

ttttttttcta cctgttcctg tagtaaaaag agttccatct gttcttgaat agcttccttc   180

aaaaggactt ctgcttcccc agtgaatgtc ttggtagaag atatgatttc tttgaattga   240

ggtttattcg tgtttaagta agcacgtaac tcaacaagaa atttccttac ctgtccaatt   300

tctaatgaat caagataacc attcgttcca gtataaatag ttattatctg ttcttccacg   360

gtaagaggag ctgattggga ttgtttaagc aactcgcgca atcgttgacc tcttgctaat   420

tgattttgag tagctttatc gagatcagaa gcgaattggg caaaagcttc taattctgcg   480

aattgtgcta attccaattt taattta   507

<210>   3092
<211>   518
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220053g09a1

<400>   3092

atgtcagacg cgttctgcag cgactgcaag aggcagacgg aggtggtgtt tgaccactct   60

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acctctgagt ggcgtacctt cgccaacgag tccggtgaca acgatcccaa tcgtgtcggc   180

gggccctcca accccctcct caccgacggc ggcctctcca ccgtcatcgc caagcccaac   240

ggcggcggag gtggcggcga gttcctctcc tcctccctcg gtcgctggca gaaccgcggc   300

tccaaccctg atcgcgccct catcatcgcc ttcaagacca tcgccaccat gtccgacagg 360

ttgggactcg ttgcgaccat caaggatcgg gcaaatgaga tatataagag ggttgaagat 420

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ggccgacaag aagacaaacc tcgtactgga aaggaaat 518

<210>   3093
<211>   453
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053g09d1

<400>   3093

aacctcaatt acatcgaatt gaaagtttac atgtatattg taaaccgaca tacacttcaa 60

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cagccatcaa gtcatgctag cttcttcata atattttggt tgatagccca gcccaacact 180

aggatctcca atattgaaac acctaatacc ctaccttcgg acccccaata tattgaaaga 240

ctcaaacaac atcattgtga agaacctcct tcactaatcg atggaaatca ttatatgatg 300

atcctcccat atcagtggct tctattgctt tcttttttcca ctccagacac ttttgtctca 360

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ttacatcatc tttaatatcc attcctatcc ccc 453

<210>   3094
<211>   530
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053g10a1

<400>   3094

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aaactcctcg cagtgtgact ctatgctcat tggtgacaat gcagctgcaa atacctatcc 120

ttacattcag gtgaaaaatc caacagcaag aatcgaacat gaagctagta cgtccaaaat 180

tggtgaagat caattgtttt attttcagca aaggggaata gactatgaaa aagcaatggc 240

tgctatgatc tctggatttt gccgtgatgt ctttaatgag cttcctgatg aatttggttc   300

tgaggtgaac caactcatga gcttgaagct tgagggatca gtaggttaaa cttaaacagc   360

ttgttaagca tatcattata tggaatttgc tcaggccatt tgttcctgaa attgtcaaag   420

tccttatagg tagtgtattc ggaaggatgt gtatatgttt ggatatagat gctgtcttca   480

actgcaccct gcanaagtgg cctgaaacat agccagtttt gaaccttaat   530

<210>   3095
<211>   490
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053g10d1

<400>   3095

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gctcaaaaag accacttaaa aattcctaac taaacatcac cttgcaaata taaattttta   120

gatcaaatga ctattgaaca caattttag tggtccaaat ctagagacta tatgactgtt   180

tttcatggtt tccagaggat ggtagtctct gcgatcatgg aggtgactac atatggatcc   240

atattagaag caggccttct gtcctcaaag taacctttgc cattttctc tgtgtctctt   300

ccaactctaa tggagcttcc acggtttgcc acccccaag aaaaggtgtt gatgtctgca   360

gtttcatgtc ttccagtgag acgtctctcg ttgccttctc catatgctgc aatgtgctcc   420

ttgtgcctca atccaagctt ttcaatggcc ttcttaatca cctcataacc accctcatct   480

ctcatggact   490

<210>   3096
<211>   433
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053g11a1

<400>   3096

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aattaaaatc aaaatcaaaa tctaatctgg gtttctccca tcagaggaca aagcttccga   120

ctttgcggga ttcgttcgta tttgtttcag tgctgagatg gggaaggtcg cggtgggagc   180

1218

tgccgttgtc tgcgccgccg ccgtatgcgc tgcggcggcg ctggtggtgc gccaccgcat   240

gattagttcc cggaagtgga gtcgcgccat ggcgatactg aaggagtttg aggagaagcg   300

tggcacccca attgtgaagc taagacaagt ggctgatgcc atggatgatg agatgcacgc   360

gggtctcgca tctgaaggtg gtagccagct caatatgttg atcagttttg tcgatatctc   420

ccactggtga tga   433

<210>   3097
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053g11d1

<400>   3097

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ttattcaaat tagcttctgg tatttcaaga ggttggtggg cttcttgggg gtcaatggca   180

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ccgcccatta gagcccttgt taaccattgg gctttaagaa gacgtttttt caaaatacct   300

atatctacgg gtgggggaat aggcgcctga tttgggaata ccccaatttg gccgctatta   360

gtagataaaa agatttcctt cacttccgaa tcccaaacaa ttggattggg gg   412

<210>   3098
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053g12a1

<400>   3098

cgtagattgg tttctgagct tcgtttaaaa gaatacaata aagaaagctg gcagtcttgg   60

tatgacagga atggttctgg acagttattg cggcaagcta gcacagctgc atgcatgctg   120

aatgagatga tatttggtct atcagatcaa gcaactaatg attttgctag gatatttcat   180

aggtctactc taagcagagg agttcaggtt cagtcttaca aacatgatag tgcatttcat   240

gaattttcct ggaagaagtc caaggataaa ggtgtaagga gttgtttagt tgagtgcatt   300

1219

ggtgggatct tacacgagta tttatctact gaggtatgga atgttccaat tgatggcaga   360

attgctgact tgcagcttaa tgctgcagtt gaagaagata ttagcctata cttttttccaa   420

gatgctgcaa tgctacgtga ggttattatt gatggagtaa gattctttaa tct   473

<210>   3099
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053g12d1

<400>   3099

gattggtaac cacagattat attgtaggcc acaaagaaga accagaatga catacttgtg   60

ttgccaaatt ttggtatcaa tgtcgtcata tgctgtactc caacatcaca cggatcctta   120

ttctcaatct aaggtgtaca tgtacatctc aattctcaaa aactctattt acaaactgtg   180

gaaaatagaa ttattccttg tagaaaattt ctgttatgta ttgcaatgtt cacataatta   240

tcctacagta aaatactgat cttccttcgc tgtcaaatgg attcaaatcc atatagccag   300

ttctatttat aatccttctc tcaagtggat tatgcagtgc aacgggttcc tttgactatt   360

tttagctcat tatgtatgtc ttacacggcg ccttgttgtc gtaaaggctg agcttcagca   420

tgaactacat tattttgctg gtccagtggc atgtattgtg acatgatagc catgatctca   480

gagtccatgt aagaccggag cctatatttg tagaatcacg tacc   524

<210>   3100
<211>   564
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h01a1

<400>   3100

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ggccacggac ctcaagagcc tctctttcat tctcaaaacc aaaaaaacag tggctgctgc   120

atacgctttc atactcgcct tcgtcgcttt cactgttttc ttagcctttt ctccttcccc   180

aaacgcttcc tcccctggt tcaccaacat attctcccccc gcatccacca ccgatggttc   240

ctacaagcct caaattccca acattttctc tctccttttc ccaaactcct ctgatcccct   300

gcacaataac actaactctt ctagatctcc ttatccaaac acaaccactg aatctcaaac 360

actcaaagaa acctctttgg aaaacagaac acaaacaacc ttagtgaatt caacccaaga 420

tgcagttcct gttccaacca cataccagac cacggattct cacgcgccaa gtttggaggt 480

gaaagttcca ccacccccttg ctagtaagga accaccaggt gtttgtaaaa accagacttt 540

aactctggtg aacttaccta tgag 564

<210>   3101
<211>   366
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h01d1

<400>   3101

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agagaaaata tacagaacaa acatcaacaa taaggtaaca tctggcatca tgttatttac 120

agcaatatag gatatggcca gattaataga tcttatggca tggttgatcc attgtagact 180

ccaattgctt catgaaggca cctaatcaaa tgctttcaaa gaccatcata gtaaccacca 240

acgcttatgt gagctctgct cataggaaca cctcttgctg cagaaattgc atcattcaat 300

ttggtcgcat gctgcaccac ttgcttaatc ctcttgtcat cagtatagat ctggaaccga 360

attttc 366

<210>   3102
<211>   406
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h02a1

<400>   3102

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actcggtgtc tatatacatc tgtttttatg tacttggtct atatatacat ttggtgatga 120

ttgcccattc aatctgtgtg tgttctcttt gcctcataga ctgatacttt ctgctattcc 180

ccactatgtg cttcatacag tgaatgcaca cagtttgagg tatagtgcac cgattgcctt 240

acttgacaca gaacccttag cctacattat cggctttttc tgcctttcca agccttctat 300

1221

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agtctgcgaa gcgttctacc tgtccatgac gcatgcaaac ttactg   406

<210>   3103
<211>   338
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h02d1

<400>   3103

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ggacgaacca acctgcaaca acacacagac ctgcctgcca aatgaaaacc ccgcgtgaga   120

aacccacctg aggaagaaat gagcttcgca gacaccataa ggatctgggg cacaagaaat   180

gcaaggggga ggcacacgaa agaaggaccc tgaggaggga ccaaccaaag caggctggcc   240

gacagagaca acatgccagg aatgccaagc cggaagggga cccaagcaaa atagggaaca   300

aagtcagggc gaacaaaaaa gacgagcggc ccaaaacc   338

<210>   3104
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h03a1

<400>   3104

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ttggcacata ttttggcact tgagaacaag aaagcagcag gaaggcactt gtgtgtggaa   120

tctattcgtt actttagtga tcttgtggac aaggttgctg agttataccc tgaatacgat   180

gtggctaagt tgccaaagga tacccaacca gggttgttga gagcaagtgg aaaggatgca   240

tcaaagaagc tgattgattt aggtctagaa ttcactcctg ttgagcaaat catcaaggat   300

gcagtggaga gtttgaagag cagggggcttt gtctaattct ttgctactgc agatgaactg   360

agtgcactgt tacaagtggt ggtggcgtaa tattattgtt ctgccattgc tttgactcaa   420

tggtcatgcc atttatgttt ctacctatgg tcttgtgttg tgcacttgtg cgtgtaactg   480

ctttctaaaa taatgatcac ttgcatcagt ggttgtaacg att   523

<210> 3105
<211> 529
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053h03d1

<400> 3105

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atctacctat atctatatag atataggtag atagatatag atgtttacta agtagattat  120

attgagccgc aatatatgtg cggcaagcta aacgaaaagg actattttgt agaaaactgg  180

tcaatgatgg ccttccatgg attcacctat ataagccgca gctaaagtag caaaaatgag  240

agcttgaata ccgcttgtga ataatccaag gaacatgaca ggtataggaa ctactaaagg  300

tactaaagaa acaagaacaa caactactaa ttcatcagct aatatatttc cgaaaagtcg  360

aaaactaaga gataagggtt ttgtgaaatc ttctaagatg ttaatcggta aaaggattgg  420

ggttggttgg atgtatttat taaaataagc taatcctttt tttgaaagac ccgcatagaa  480

atatgcaatt gatgtaagta aagctaaagc aacggtagta tttatatca               529
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<210> 3106
<211> 484
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053h04a1

<400> 3106

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agagattata gaaagcgaaa gagagagggt tcaagttcaa caagcctctc ttctttgtgt   60

tcttgcgaag aagaaaaatc cctccgagtc aactcggacg agttgcctca tcgtacggtt  120

ccttcctcgg actctttcct cttcttcccc ttccgaatca ccgttcgcag ggttttgctc  180

tctctctctc tctgtctctc gcttcgtttc tagttcagat ctcgcattgg cttcagctga  240

aaccacgcgg tttaatttca ttcccttaaa ttagggattt atcttatgtc gaaacacttg  300

aagtgatgat ggtgtggctg ttgtgagaaa ttaatgatcg ttgagggtgt gggacattgg  360

tacagagctt tcagtgtagt tgacaactac ctaggaggga agaagaggaa tctttcttcc  420

gccgttgtcg tgtgccgtgg ttgttgtact gttgatgtct cggaaactcg acagccctgt  480
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<210>   3107
<211>   497
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h04d1

<400>   3107

acagagtcaa aatgactgta ttcaatattc atatactcac taggttacgt gagataagaa   60

aatatatttg agtggaaaat gtaacccgta acgtcatatt acaggaagag agggaaaaaa   120

aaagtagaaa gtattacata actataggaa tgttgttgaa aaagtctatc tattactatt   180

actgttagct agaaatccgt ttagctctgc ataactgtc cttctttctg atggaggttc   240

ctcgtggcac cacgaacctt catgcttata agcaatagca tggccatcac gaaaacacag   300

atgctagagc ctataactgc acaaaatcgt caagaaaatt gtaaagccaa cccccacaat   360

ctaaatattt acgaaaaaga actactaatg tatctaaaga aacagtaatg tcaaaactat   420

ccaaagggtc caatccaaat ttccaagaag gggaaaagga agaacaaaga aattaagttt   480

aatttaccta tattacg   497

<210>   3108
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h05a1

<400>   3108

atgaagagct cataagccat tacctctaca agaaggtcat tgacaccaag ttctgcgcca   60

gggcaattgg agaagtggac ctcaacaagt ccgagccttg ggatttgcca tgtaagtgaa   120

accaaaccaa ttcgatcaat ctacctttca tgtattatat tgattttcct tgaaaagtta   180

aaattgcaag tttgtgttta gggaaagcca aaatgggaga aaaagagtgg tactttttct   240

gtgtgagaga cagaaaatac cccactggct tgagaaccaa cagggccaca gaagctgggt   300

actggaaggc cacagggaaa gacaaagaga ttttcagagg aaaatctttg gttggaatga   360

agaaaactct ggttttctac agaggtcgag cacccaaagg agagaaaagc aattgggtca   420

tgcacgagta ccgactcgag ggaaaattct ctgctcacaa cctcccaaaa actgcagagg   480

gatattatta ttctcttcct tatcttgctt ttcaaacttg gatt   524

<210>   3109
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h05d1

<400>   3109

gatgaataac atgaatcact tttcttgttg aattgttaca aaattgatgt gttggtatga   60

aaataatatt tacaagtatg attttaaact aagcaaccac tatgatcttc ccaccaaaaa   120

tgggagaaaa aacagaagca tgagagtaga atcatctaaa ccttttccct tgataaaaac   180

atcagggact aaattatgcc agttcatttt tcacggacac attgccatcc ctctgatcta   240

tgctcaatgc tcctctatcc acaaaattta ccattctgtg ggaaagtacg cgagacttat   300

ctatacatgt ggcatgacaa gtaccaatga tcaatgaaag taagttattc caagaccttt   360

tcaccagttg aaaaaagatt aaacaccaca gttccaacca aatacaacac aactgaaacc   420

ttgaaaacat catcccagga gccatgttgt agaatgtaac ctgttgctgc tgttccaaga   480

cacca   485

<210>   3110
<211>   581
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220053h06a1

<400>   3110

tctctttctc ttctcaccgg ctggtcaccg gcttctctca ttctccgacc gtccccaccc   60

ccttcattcc cgattcgttc gtcttcgctg cttcgcgtca acactttttt tctcttctag   120

gtcatttatg atttcgatct tttcctttaa tttctcctcc atttgttttg atttgatttg   180

aatttccacg gttaagttaa ggtagtgttc gggaagatgt cgagtcacgg tggttcttct   240

ttaaggaacg gttccttgtc caatagcccc acgcgggcca agaagaaagc ctttggctct   300

gagcattcaa cgcctgactt tattgctcgt aaaacctttta cctcaccgcg caccatggga   360

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gagagaactg tgaaatcatt gcggctttca aaggcattga cagttcctga aacaacaacc    420

gtctatgaag cttgccgtag gatggctgct cgcaaagttg atgctctatt actaactgat    480

tctaatgctt tgctctgtgg aatcctcaca gacaaggata tagcaacaag agttattgct    540

cgtgagttaa tctcgaagaa acacctgttt caggttatga c                       581


<210>       3111
<211>       510
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220053h06d1

<400>       3111

gaaatgcaaa gctattgaga cacacgaact atgtaggaat aatcttacaa gcaatccaat     60

gatgcacaca gaagtgttac acactcttta acacatactt tctgacacca cactctccta    120

ctagttgaaa attatcagaa aatacaaaat aaggaggttc gttaaatatg tagcatccac    180

caatttgtga ttttcaatca ataagaaaga ttgtgttcaa aagagtattt gagagtattt    240

tcctaacatt tctcgtgata caaatatgat gataaaagcc tgctaagaag agaactgtga    300

atctcccaac aagtaaattt acaccaagcc ctccagatag cacatacc ca ctctgtatta    360

gcagaataag ttgcctgaga taaatgagga gcatgtctag aatcgacgga tgtctttagg    420

aggcctgaag ttaaggggat gggtttctgg agtggcactc tcatcttctt tccacattnt    480

tatcgtcttg tcagcttcgc aggttatgag                                     510


<210>       3112
<211>       526
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220053h07a1

<400>       3112

gaaagcaagc tcatcctaga gttttaaaaa tggcagcagc ctcctccatg gctctctctt     60

ccccatcctt ggctggcaag gccgtgaagc tgggcccatc agccccgaa gtcgggaggg    120

tcagcatgag gaagaccgtc accaagcagg cctcctccgg aagcccatgg tacggcccag    180

accgcgtcaa gtacttgggc ccattctctg gcgagccccc gtcctacctc actggcgagt    240
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1226

tcccaggtga ctacggctgg gacactgctg ggctttcggc cgacccagaa accttcgcca   300

gaaaccgtga gctcgaagtg atccactcca ggtgggccat gctcggggcc ttgggctgcg   360

tcttccccga actgttgtcc cgcaacgggg tcaagtttgg agaagctgtg tggttcaagg   420

ccgggtccca gatcttcagc gagggtgggc tggactactt gggcaaccca agccttgtcc   480

acgcccagag catcctcgcc atctgggcca cccaagttat tctaat   526

<210>   3113
<211>   488
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220053h07d1

<400>   3113

gacacaagtt atgaatatat aaggtccact ttttttttaca gtgaaaacag ttgaaacgaa   60

gttgttaata atagattgcc gagagaaatg ggtaaaagaa atttccaccc aagatttaat   120

aattgatcta ttcttagcct aggcaaagtc catcttgttg cgatagaaag gaataagaat   180

aaataagttt tagctagtgt aataaagata ccaattatcg ttacaaaaac tccatatgtt   240

tgatttattt caaaaaagtc agaaacgaat atgtatggaa tagagatatt tgaaccacca   300

aagtaaagaa ctgttacaaa taaggaagaa atgaataggt ttaaatagga agcaacataa   360

aataaaccaa atttgatacc cgagtattcg gtttgataac ccgctactag ttcttcttcc   420

gcttccggta aatcaaaagg taatctttca cattctgctt gggacgagat tagaaaaaca   480

atgaaacc   488

<210>   3114
<211>   106
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220053h08a1

<400>   3114

tgccatttag tgttgaagaa atcttccacg tcagctngct caacactaag ggggtggtcc   60

ccaacaaata gtgcctccga agcgccacat tcttttttgg gtgtaa   106

1227

<210> 3115
<211> 445
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053h08d1

<400> 3115

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gaaactggag ccaagtggga atgttaaaat tattgaacca atttttgga gaaaaccaaa    60

aggggggaccc caccccacat tttaatttt aacaaaagaa aaacccgatg cccactcctt   120

gcccaaacaa aacatgctta ttaaacccag atgggttctc tatgtcagaa accaacggga   180

tgttttccc cttacccgtt ccacccactt taacagaaat tcctcggcaa tcaaaaataa   240

aaaacgctaa acgggggcga cccttatct gaaaagttta acaacaaac ttccaaaaaa     300

tggataattc cacactcaat ccgattcata aacccggggg ggggtttccc tctctttccc   360

gtgataatct caactactga ggacctgtaa tgaccaggct tgtattgacc ctaaccaggc   420

ccactgacgt aaccagcctg gggcg                                        445
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<210> 3116
<211> 517
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053h09a1

<400> 3116

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ctcttcactt tcattcactc cgttgccatc tcaaacccga atccaaatcc aaatccaaca    60

cgatgtcgta tcgaccttcc gccaacgcca ggaccgaggt tcggcggaac cgctacaagg   120

tcgccgtgga cgccgatgaa ggtcgccggc gccgagagga taccatggtg gagatccgaa   180

agaaccgtag ggaagagagt ttgctgaaga agagacgcga gggtctccaa tcccagcaga   240

ttccttcgtc acttcactct actgtaattg agaagaagtt ggaacacctt ccagccatgg   300

ttactggtgt tttcaccgat gacaataaca tgcagtttga ggccacaact cagtttcgga   360

agttgctttc gattgaacgt agcccaccta tcgaggaggt tattcaagct ggtgtagttc   420

cacgctttgt tgagttcttg atgagggaag attttccaca gctgcagttt gaggcagctt   480

gtgctttgac aaatatagct tctggaactt ctgaaaa                           517
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<210> 3117
<211> 523
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220053h09d1

<400> 3117

gattaaaaag ttgccaatca gctttttatt gataaaacaa aatttccaag tatcagaaca   60

aaacctacta taacagagaa taaacaaatc ccgaatgcac ttattatatt ggcaaaaaac   120

aaaatgattt gaatgaccaa aattctaggc aatgaagtta taaactatta acaatatgat   180

gtccattgtc cagagctttg gctagacaaa cactcagatg gagagacaat atcggttatt   240

tatttcctaa ctctattcaa cgaactgaag cacaaatgga ctgttggttg tacaattctg   300

tgactccatt tgtgatcttc tgcctgtttt tcctcctctt tgagacaact ataaaccctt   360

caccatctcc attcttattt tcagtaactc ctaatttctc tggctcaacg ctatcactgg   420

aatgaggcac tggcttattc ttttcttcat ttccatacat aatgtttatg acagcacggt   480

ctttggtaat ttcatcagaa caactttcaa gttctcaatt ttt   523

<210> 3118
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220053h10a1

<400> 3118

gttttctccg gcgaattttc ggcgccaaaa aaccatccga ttccaaatcc gccaagaaaa   60

gatggacctt cctcaaacac accgtcagga acaagtcact cccgccgcca ccgccaccct   120

ccgccgtcac ttactttgat tcctcaactc ccttggacgc caacaagcat gccatcgccg   180

tcgccgccgc caccgccgcc gtagcagagg ctgctctcgc cgccgcccac gctgctgcgg   240

aggttgtcag actcacaagc ggaggcgtct ccgccacaag caccaggccc gccgctatgg   300

cggcgcgtgt tggcaacctt gaaaccgccg ccgttaggat acaatcggcg ttccgtggtt   360

acttggcaag gagggtattg agagcgctaa aagcattggt gaagttgcaa gcattggtta   420

ggggccacat tgtgagaaag caaagtgctg atatgctgag gcgcatgcaa acattggtgc   480

gacttcaggc ccangcacgt g

<210>	3119
<211>	520
<212>	DNA
<213>	Glycine max

<223>   Clone ID: jC-gmfl02220053h10d1

<400>   3119

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gataagtcgc aaaagctttg aattgaaatc attcaccttc gtcaataaat taatcctgac    60

ttattctcat tgaaaacaca tgttacattg ggaaaacgag actactcaaa agtttacatc   120

tctcctagta tttaatgtgg gagagacaaa cactgtaacc aaaataatgc accagtaatt   180

ggcggagaag cagcaatgtt gcatttgcag caagaagaac acagccctaa aaataacttc   240

acagtggact tggtccacct tcctggttaa aagctctcaa ggactagtaa ctaagacttt   300

tctgcttcaa tttgttgatc tagtaggtat acaaaaaaat gaaactagtg ttacactgat   360

ttaccttggc gttaaaccac atcttcagga ctcctgcact cccaaatact gggagttaga   420

agctgccagg agggctgctc caattccaga gccatcatta gaatgttcaa tgccaactgt   480

ctcatctgcc tcatcaccca acaactcctt tagtgtactc                         520
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<210>	3120
<211>	493
<212>	DNA
<213>	Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220053h11a1

<400>   3120

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gacgtgtcac gcaacaagga atatattccg attgttgggc tagctgattt taataaattg    60

agtgctaagc tcatttttgg ggctgacagc cctgctattc aagacaacag ggttaccact   120

gttcaatgct tgtctggaac tggttcatta agagttgggg gtgaattttt ggctaaacac   180

tatcaccaac ggactatata cttgccaaca ccaacttggg gtaatcaccc aaaggttttc   240

aacttagcag ggttgtctgt caaaacatat cgctactatg ctccagcaac acgagggctt   300

gattttcaag gacttctaga agatcttggt tctgctccat ctggatctat tgttttgcta   360
```

```
catgcatgcg cacataaccc cactggtgtg gatccaaccc ttgagcaatg ggagcagatt    420

aggctgctaa taagatcaaa agctttgtta cctttctttg acagtgctta tcanggttct    480

gctagcggaa gtc                                                      493


<210>       3121
<211>       469
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220053h11d1

<400>       3121

gggaataagg atgattcttg aggaccaaag acgttctaat atccttacaa taacacggac     60

atgtgcacgc taaagtataa gccttcaata caaaacatta tttaactact tgtccactga    120

acaagacaag attcttcact ctttccaaca tactatccca tgttatgtac caagaacttt    180

acagttacat cccaaacaca atatttccca acactgaaat attcaattta aggagacacg    240

aaccgtaatg ggtctaaatc catcagcatg ggtaacaatg ccaatctgtt ttcagtaata    300

atcatgtcaa cgagggctgt aactttgcat tccctttatt gtgcagaggc tctttcaagt    360

cgctcagact caggttgacc tgaattagtt gaggattacg tcctatacgg agaccatagc    420

aggaatgatg ccctgacgca gatattttat gaccctgaag aagatttat                469


<210>       3122
<211>       174
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220053h12a1

<400>       3122

ggtgtatagg tgagaagcga ttgttaaatt ttgagccaag tggtatcttc tcaggtgcgg     60

tttcttattg catgccctca attctctatt caatcaagta tgaaaattcg tggattctgg    120

ttaaattgat gctcaattgt gaattttatt tgtatgtgaa atgttaaaga ttca          174


<210>       3123
<211>       541
<212>       DNA
<213>       Glycine max
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<223>   Clone ID: jC-gmfl02220053h12d1

<400>   3123

agagggaata tttcatatca atgtcatggt aactaaaaaa acaacataga gaaagttaat   60

aaatttctca aaattaagaa tatacaatga gtgaattaat gcagcagcag cagtagtcac   120

acaagtatca tcatataatg cttaaaagaa attaagcata gagttttcca aatacaacct   180

taaatgagtt ctccaaaaag gaaaagaaag gaggttcatg aaacacatat agaactgttt   240

cctccattgt tctgcaccac attatacaaa cttggctcaa atgaggagca aatttttcat   300

aatcttggca atgcgcgggg aagaatgcga ggttggtccc aatcagtgac aatgtgatca   360

cgagtgatat ccttgagtga ggtgcaacca ctcaaggcca tggttagctc aaactcctca   420

cgtagcatcc gcagcacgtt tcttacacca gcctattctt tagcagccaa ggagaacacc   480

acagggcgtc aataaatat gccagaggca cctagtgcta atgccttgaa gacatcagtt   540

c   541

<210>   3124
<211>   578
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054a01a1

<400>   3124

cgttgatggg attcagatta aacaatcatc aaaattcatt attattaatg atttacgggg   60

taaagtagtt catatggatg tagtgaaaag aaagggaaag gaacatgaga aattgctgat   120

ttctgatgat gatgctccac aagataagaa gaaagaaagt agctggaatt ctaacttact   180

gaaatgggct ctggtttca ttagtagtaa tgaacaacct aaaaatgctg aaaccaattc   240

accagagaaa ggaaggggtg gacgccatgg aaaaacgatt aatatctttt caattgcttc   300

tggacactta tatgaacgct ttctaaagat tatgattcta agtgttctaa agaatacaca   360

ccgtccagtt aaattctggt tcataaagaa ctacctgtct cctccttta aggatctgat   420

tcctcacatg gctcaagaat atggttttga atgcgaacta atcacctaca aatggcctac   480

atggttgcat aagcagaaag aatagcaccg aataattggg catataaaat tttatttctt   540

gatgtcatct ttccccttc ttgagaagtc attttgta   578

<210> 3125
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054a01d1

<400> 3125

catggatgat ttccacagaa tctctgatca tttaatgaaa atagtcacta taatcaaagg   60

aaccaccatg agacagtcca agattatcca ccatgactgt ttattattac atataacaat   120

ctgtaattcg accaaaaaac taacaacctg t   151

<210> 3126
<211> 388
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054a02a1

<400> 3126

caaaatttca gaagctagtg atcaatcatc aacacagagc tgagtgtgtt gctctgagaa   60

tccaccttct tcttccattg gaggaccatt tcctactgga atagaaatac taccacactt   120

ttcttttttc acttctctaa ggtgctaagg taatttgctc cttcattttt tcactctttg   180

ggctcgcgta cccgtgttac cggtactcgt ggtgaagtgt tcgaaaaaga ctgtcacacc   240

taagatctca gttaacgatg ggaaacttgt tgtccatggt aagaccattt ctgactggag   300

tgccagacaa cgttgtgctg actccaggat ctggaagggg tcttgtgact ggtgctttg   360

ttggtgccac agcttcacac agcaaaag   388

<210> 3127
<211> 394
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054a02d1

<400> 3127

cctaacttat tctattacaa ttgtaaaaaa aagaagaaat aaaagacgaa ataaagaaga   60

ggagattaat tacatattaa ttacatatat ttaatactta attggatcta taaatcttct   120

tcaccccttt ccgtgtcaat aactagaatg aaaaaaaagg gaatatcaat gcatctggaa 180

aaaaacgatt gatctctatc aagagacccg ccaaagcccc gaaccataga gtacttacta 240

ctggtgccac ggaaagatat gtttttagat ctcgcatttc aaatcctcct ttttaagtct 300

tttttctatc taaaatttat ttgaatttaa tattctttt gattattcta aagaatatta 360

gttatatttc tttagaatct tttttttctt tttc 394

<210>   3128
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054a03a1

<400>   3128

gggaaaagaa tattgacttt gcagctcata gtccccaaga agagtcaggt tctctttttag 60

ctaacctgat tgggaatctg gctttccctt tgctcttgat tggaggattg ttccttctct 120

cgagacgatc cggagggatg ggaggtcctg gtggccctgg atttcctctt gcttttggtc 180

aatccaaagc caagtttcaa atggaaccaa acaccggagt gacatttgat gatgttgctg 240

gggtggatga agccaagcag gactttatgg aggtggtgga gtttttaaag aagcctgaga 300

ggtttactgc tgttggggct cgcattccta aaggagttct tcttgttggt cctccaggaa 360

ctgggaagac cttgttagcc aaggctattg ctggtgaagc tggtgttcca tttttctcta 420

tatcaggttc tgagtatgtt gagatgtttg ttggtgttgg tgcttctcgt gttcgtgatt 480

tgttcaaga 489

<210>   3129
<211>   388
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054a03d1

<400>   3129

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tcctttttttt tttttttttt ttttcctttt ttttttttgtt ttcttttaaa aggatggcct 120

ctactattat aagtaagagc tcataaaccc aatcacaaat gggctatctg aatttgagga 180

tcgagttctc actttgagta taactagtcc ctctttagga aagatcatct caacaagcac   240

ctaacctgtt gaactttcca ggatcacacc attttgccct gatcctgatt acaggcttac   300

atgcccacgc agtgactttc caaagccaag ttccaaaggc aactgatttg ggaacccaat   360

aagccggcaa aggggccctg ctgaacct   388

<210>   3130
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054a05a1

<400>   3130

gagccgtagc agcggaagct ctagcttggg tagcgaatca caatggcgag aggattaaag   60

aagcatctga agaggcttaa tgccccaaag cattggatgc ttgacaaact gggtggtgca   120

tttgctccta agccctcatc tggaccacac caaattgagg gaatgcctgc cactcatact   180

cattntgcga aaccggctga agtatgctct aacataccgt gaagtcattg ctattctgat   240

gcagcgacat gtccttgttg atggcaaagt caggactgac aaaacatacc ctgctggttt   300

tatggatgtt gtatcaatcc ctaaaacaaa tgagaacttc cgcctgctgt atgacaccaa   360

aggtcgattc cgtctccact cagtcaggga tgacgaggct aagttcaagc tttgcaaag   419

<210>   3131
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054a05d1

<400>   3131

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taacggttcc ctatcacctt taaaatgtga ggatgtgacc aactagttgg agttggaaca   180

caagctggta caatttgatt aaccgaccat aaggatgtga atcaatgaag gacggcaacg   240

ccgtactcaa aactcaaggc atattacaag attgttcctg gcttgctgct tgaaatatca   300

tgcgtcaaac aatggcaact ttgcttaaat gaaaaatgtc aataagactc tctaatacat   360

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tcttttaaac acactctatt attgattaaa atttattgaa aattacaatt tttttttctca    420

cttctttctt gtcactattt gatgaagtca tctcactctt tgtaatttcc catatatttt    480

aaccaataat caaatgtgtt aaaaaaagta tcttagaaaa tgttttgtag cacttctact    540

aaatcataat atgcctagaa acataagc                                       568
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<210>   3132
<211>   550
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054a06a1

<400>   3132

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cttcatccat caacactgcg tccgcttagg gtctgacctc gcgactcgtt tggatgacac    120

gaaacgagcc ctagctcaag cttatcataa ttcttctatt ccccaaacac gccctcgccg    180

acacttctac tctgggctcc ctgcacgtgg ctaagtccct cgtcggcacc tctgtttaca    240

ccgtcagcaa ttccaacaat gagttcgttc ttatctctga cgctgatgga gccaagtcca    300

ttggattgct ttgctttcgc caagaggacg ccgaagcctt cctcgctcag gttcgatcac    360

ggagtagaga gcttcgaagc aaggctaggg ttgttccaat tactcttgac caggtataca    420

tgttgaaggt tgaaggcatt gccttccgat tcttacccga tcctgttcaa ataaggaatg    480

ctttggagct aaaccagcc aacaagggag gtttcgatgg agttcctgtt tttcagtcag    540

agcttttggt                                                          550
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<210>   3133
<211>   73
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054a06d1

<400>   3133

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aagcgcaaga aatgcttcaa tataatgtaa tgatggaagt cttccatgat gaaattcaaa     60

cattagaagc atg                                                       73
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<210>   3134
<211>   497
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054a07a1

<400>   3134

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tttccatcaa caactactcg cctcgtagct cacaattcag tctcagaaac cgttcccatt   120

cataaggaaa aggaacaaac cctaccttct gtcaaaccta cttactcccc cactcctccc   180

aatcgaggcc ttcgaacccc tcacagcggg taccattttg atgggactac tcgcaaattc   240

ttcgagggtt ggtacttcaa agtctccatt cccgaacgga agcagagctt ttgctttatg   300

tataccgtcg agagtcccct gtttcgtaaa ccattgacgc agctcgaact ggcccaatac   360

gggcccaggt ttactggtgt cggggcccaa attctcggtg ctgatgacaa atatgtttgc   420

caacactctc cccaatcaca ttttttctgg ggaagcaggc atgaactaat gttggggaac   480

acgttcgagc ccaacca                                                  497
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<210>   3135
<211>   344
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054a07d1

<400>   3135

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aagctagtta atacataagg gcaattgatc tcaaaccccg aatgctctaa tgctgaagga   120

acataaagct tcaaatagat acacatgcat atatgtaaaa tttacagttc acactagaat   180

ctatatacca caactaggat tagcaccaac tgatttggct atagactatt gaattctaag   240

ctgtcaggag gggcatggcg gaatttggac tttgacatca ccttctagca tctgtgtcac   300

agatctcatt gatgggtcta agaccatgga tcctcttgct caca                   344
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<210>   3136
<211>   484
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054a08a1

<400>   3136 ·

tgagtttcga aggggaagtg aaatatgtga ggctatggag gctagcaagg ctgattggga   60

tactctttt gagccttatc cctttttga atcatacaag aattatctac agatagatat   120

aacagcagag aatgcagatg accttagaca atggaaaggt tgggttgagt ctcgtctccg   180

ccagttgaca ttgaagattg agaggcacac ttatggtatg cttcaatgtc atccacatcc   240

tggtgaattc tcagacaatt ctagacctt tcaccactgt tactttatgg gtctgcagcg   300

taagcaagga gttccagtga atgaaggtga acagtttgat ataaggctaa ctgttgaaga   360

atttaaacat tctgtcaatg cttacactct atggaaacct ggaatgaata tccatgtgtc   420

ccatgtgaaa cgccgtaaca ttcctaacta catatttgct ggtggtgtcc gacctacctt   480

ccca   484

<210>   3137
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054a08d1

<400>   3137

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aaagatacta attataagaa tttgaaagtg aaattataaa ggttattaaa tgattaatca   120

attttttct acctgttcct gtagtaaaaa gagttccatc tgttcttgaa tagcttcctt   180

caaaaggact tctgcttccc cagtgaatgt cttggtagaa gatatgattt ctttgaattg   240

aggtttattc gtgtttaagt aagcacgtaa ctcaacaaga aattcctta cctgtccaat   300

ttctaatgaa tcaagataac cattcgttcc agtataaata gttattatct gttcttccac   360

ggtaagagga gctgattggg attgtttaag caactcgcgc aatcgttgac ctctgctaat   420

tgattctgag tagctttatc gagatcagaa gcgaattggg caaaagcttc taattctgcg   480

aattgtgcta attccaattt ttaattacca   510

<210>   3138
<211>   515

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054a09a1

<400>   3138

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ctaaacttga ctggagacgg cgagttcata tggccttgga tattgcacga ggtgtaaatt   120

atcttcatca ttgtaaccca cctatcatcc acagagattt gaagtcatca aatcttctag   180

ttgataagaa ctggactgtg aaggttggtg attttggtct ttcacgtctt aagcatgaaa   240

catatctcac aactaagaca ggaaggggca cgcctcaatg gatggcaccg gaagttcttc   300

gtaatgaacc ctctgatgag aaatctgacg tttacagctt tggagtaata ttatgggaaa   360

ttgcaactga aaagatacct tgggataatc tcaactcaat gcaggtattg ctttcatctg   420

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tggaaatcca ctgcagagtg tctgtttatc ttttg   515

<210>   3139
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054a10a1

<400>   3139

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aagcctatct gaacaatacc ctcctcttcc ttcttctatt aaggttgaag ttcttagata   120

agaagaagaa gagagcataa gatagccttt tgaagctgaa agcaaatttt gtgaagtagc   180

atatatactt tcaatttgtt tagttcttct gggtggagtt ccttcatttg gtgtttgtag   240

tcatggaggt ttcttggttc tatacctttt gcagcttttt atggatccaa ccatcccaaa   300

tgtgccaatg gttcaaaaga aatgatatga taacagaagc tcatctcctt tgttaccaga   360

ttgacctgat tgagtgttag acttatttgt agaggcagat ctcctttgga agtgtaaccc   420

tcaatattgg aaaaagaagc ttcatctatt tcagatatct atttatgatt gaagattcag   480

ctgtactggg caaatc   496

1239

<210> 3140
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054a10d1

<400> 3140

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ccggggggcaa acaacacccc caaaaggggg gcccccccccc ccgcgggaga cccgccccag   120

ggggggcccc ccccccccgg ggaaacaggc ccccccccagg cctaggggggg gggcacccccc 180

ccggggggcc cccaaagaaa ggaaccccccc ctggggccgg ccccaaaaac cccccttttt   240

ggccaaggaa cggggggggc cccaagaccc cccccgcca ccccccagaaa gggggggggg   300

gggcccccca aa   312

<210> 3141
<211> 384
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054a11a1

<400> 3141

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cgcagtttaa aggagagttt tgatcaggcg atacagagag atgatgtcaa ggcaattgtt   180

gttacaggtg caaagggaaa attttctgga ggttttgata tttctgcatt tggtggtatt   240

caagaggcaa aagagcgtcc aaaacctggt tggatatcag tagaaatcat cactgatact   300

attgaagcgg ctaggaaacc atcagtcgct gccattgatg gccttgcctt gggtggaaga   360

ttaaaagttg caatggcatg ccat   384

<210> 3142
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054a12a1

<400> 3142

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gaattagggt cttaaaacaa ctcaaccaac tttgtgggta aaattaggga ttcaggtgta   120

aagtgaaaaa ctagggtttt ggtaaatctc caaaatgtcg acgggcaaac ccagaggcgg   180

tgattttcag atggtcccgg cgccgggaac gtcaaagcct tcccttccgc cggcagcagc   240

atcgaatgcg atagtggaat atactccggt ctctctcaaa gaggaagagg aggatctgga   300

agtcaagctc cgacggatta tcgacaatgt tcctgtccgt gttagcaata cttccggtag   360

ttccgccggt tcaggctccg gcgacttcca ccagtatcgg catatgagac gcatggaaca   420

agatcgtctt gccaggatgg aagtcgacta ccagaaaagg aaagagctgg cagaatttaa   480

tttgagatga g                                                        491
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<210>   3143
<211>   537
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054b01a1

<400>   3143

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tccaccttct tcttccattg gaggaccatt tcctcctgca atagaaatac taccacactt   120

ttcttctttc acttctctaa gctgcttagc taaacgctcc ttcatttctt cactcttcgt   180

tctcgcgtac ccgtgtcacg gtaactcgtg gtgaagtgtt cgaaaatgac tgtcacacct   240

atgatctcag atcacgactg ggaaacttgg tgtccatggt cagaccattc tgactggagt   300

gccagaccac gttgggctga ctccaggttc tggatagtgt cttgtgactg gtgcttctga   360

tggtgccaca gcttcacaca gcaaaagtct ccatgtgctt acaatggctg atagacaggg   420

gctccggttc atgtactgat cacggttcaa gctatggtgg atgactcaca gaatggctac   480

ttgtgcgcag gatgactctc tggagatcaa atcatgctta ctgagagcca tgagagt      537
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<210>   3144
<211>   493
<212>   DNA
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<223>   Clone ID: jC-gmf102220054b01d1

<400>   3144

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ggcgaacgtc aggcacgagc tttgggagtc gtgctaaaag tcgacgtgct gtcgagaggc   180

gtctatgcgc caaggctggg gaaagcgcta gagtcgctga ggttaggggc gttgccgcca   240

cgaccaccgt taggagcgcc agcagcagca ggagcaccac gggcttcgcc gcgaccacgt   300

ccaccacgac cctcaccgtg agcgcggtca ccaccacggc cacggccctc accgccacgg   360

aaagatccac ggccctcgcc acggccacgg tcgtcacggt caccgcggcc accgtgcgat   420

ccaccctcac ggggaggggg cgcgagcatg cgcttgctgt caagctcgac gtgaaccttc   480

tccttgcgct ggc   493

<210>   3145
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054b02a1

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atccacaaca tcaatggtga gaggattgct caacaagctc gtctctcgct ccctctcggt   180

cgccggaaaa tggcagcaca attaactccg ccgccttaac atacacgagt accagtgtgc   240

tgaattgatg agcaaacacg gagtcaacgt tccgagaggc gtggctgttt cctctgttga   300

agaggccaga aaggtcatca aggacctttt ccctaatgaa aatgagttgg tggttaagag   360

tcaaacttta gccggcggac gaagtttggg aactttcaaa agcggcctta aggaggagtg   420

cacattgtta agactgacca aggtgaagac atagctggga agatgcttgg acagatac   478

<210>   3146
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054b02d1

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atacaatggt aaccccagaa cggatgtaaa acccttccga agatctatca gcctcttgta   120

taccctctga gtttgctatt acaacattct ttccgattct agcgttttg tcaataatac   180

agtccttgat ttttgtattt tctcctattc caattggaac tcttccttca gctaagagtg   240

ctgccacttc tgcatcggtt tcataataat cagcaccaag catcactgta tcctttaagt   300

gaatatttga gtttattctg gatctgattc caacaacact gtgctctatg aaggaattat   360

tcaagaagct tccatgtgat ataattgaat caacaatctt gctattgtca atctttgatg   420

gtggtaagtt tctccgtgat gtatacattg gtttggctgc atcataaaag ctaaacctgg   480

gtggatgctc agtgagggca agatttgcct caaagatgat ctgtagtacc tatgtttcca   540

gtatcattga tagat   555

<210>   3147
<211>   434
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054b03a1

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cacggtgtgg gccgctgccg tgcccggcgg cggcgcaagg cttaaccctg gcgaatcgtg   180

gaacatcagc gtgacgaacg gcacaacagg aggacgcatc tggggtcgaa caaactgcac   240

cttcgacaac gcgggacgcg ggaagtgcct caccggcgac tgcgagggtg ttctggagtg   300

caacaaaaca ggtacacccc cgaacacggt cgttgatttc gcgttgaacc agtattacaa   360

cctcgacttc tacgacatct tcctcgtcga cggtttcaac gttcccctac agctgacccc   420

gacctacaac tgca   434

<210>   3148
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<223>   Clone ID: jC-gmfl02220054b03d1

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tatacataca tctttcagaa actataatgc tgtgtagcca attagattca ggatcgtgtc   180

taattgcgtg ctctatgaca atatcattga attgagcatg ttgatcttct cggtggtttg   240

atatgaagga gctatcatat tcttccttga tcagcctgtg gtccaatgta tctagtgcca   300

ttaatgattc acacaggcgt aaggaatacc cccaaatcgc atgatccttg accttcaact   360

tcgtgaggca aattcctcag attggaggat acatattatc actttcaact tcactttcaa   420

tttcactatc attttcgcta ttataggtct tgagatatgc ctcatcaccc tgctcaccat   480

cctccacctc tgagttctca tcatcactag gataggcaga atccaatttg tcataca   537

<210>   3149
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<223>   Clone ID: jC-gmfl02220054b04a1

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cacggtgtgg gccgctgccg tgcccggcgg cggcgcaagg cttaaccctg gcgaatcgtg   180

gaacatcagc gtgacgaacg gcacaacagg aggacgcatc tggggtcgaa caaactgcac   240

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cctcgacttc tacgacatct ccctcgtcga cggtttcaac gttcccctac agctgacccc   420

gacctacaac tgcagttccg ttaaatgcgc cgccgacatc atcggagagt gccccactca   480

gctccaggtt cctggcgggc tgcacaaccc ctgcacggtt ttcattacga ctcagtactg   540

ttgtagcacc ggagc   555

<210> 3150
<211> 352
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054b04d1

<400> 3150

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agctcttaaa agcttacttt tcaaggaagt gctgctcttg aggagcgggt taaagcttac   120

aggactttca gcccctcttg aggagatttg gccttaccat gcaccttcac tataggactg   180

ccaacgatgt caccgtcagc tgcccatacc ggtaccctgt atagatgctc aggttttgaa   240

catccttgcc aactgggagg gtttagtttc agcctcttgg tttcctggag aaagaactga   300

acgttgcccc taaccgatgc ccgggctaca acgaccccca ctgtgctcac ag   352

<210> 3151
<211> 560
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220054b05a1

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gaagcttaca tttggttact ggcaaaagct tacgttgttg tgaatgatgc ttgctaccat   180

caaatcatta gccattggct aaacactcat gcggttgtgg agccattcgt catagcgaca   240

aacaggcatc tgagcgtggt tcaccctatt tacaaacttc tgtttcctca ctatcgtgac   300

accatgaaca ttaattcact tgcccgcaaa tccttggtca atgccgacgg tattatagag   360

aaaacattct tgtggggtag gtactctttg gaaatgtctg ctgttattta caaggattgg   420

gtnttcaccg atcaagcatt gcctaatgat cttgtcaaga gaggagttgc tgttaaagat   480

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ctagagatat ggatgctatc   560

<210> 3152

<211>   591
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054b05d1

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gaatggccat acaaaatgtc tagaacaacc aaatgcaata tttacaaact tacggtactt   120

actttgaatg aaataaatta caaaagaaat aacagaagat aaaaatttca taatttggta   180

ttgaagttag aaatgctcct atgacaactt tgcagatgta tcaaaccctt ggttctgcaa   240

ttctgcccta agccaacata ccttcaagaa caccctaaaa ttagaagctt gctagcaatt   300

ttgctataaa ttgcagtcaa aaatagcaca tgctttatgc atatatgcag ttgagatttg   360

agctgattca tcttgagcat ccagagtaaa ccatcacaat atgctacttc ccagaagtct   420

gaatatttga catcaaccaa attctgtttg ttgaacaatt agactcaatt ccaaaacagc   480

taacagcagg atgatcatgt gcttgtgtaa cacactattt acactggcaa cttcagtcag   540

aaaggatttg ttctagacag gaatgttgtc tagagaatat ncatcaaatt c   591

<210>   3153
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220054b06a1

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gacttctgta tcttcttctt catcgtccgg tggtacaaca ttctttcaaa aaagcaagat   180

ctccaaatct gagattcgat tttctgtatc agattgcaag attttgagca ctctgaccaa   240

caccaacctg tcagttgatt tcttcttaaa cgaaagcctg gttgaaaatt ttgtttcttc   300

aaaacaaaat catctctagt ttcatggcta gaaactcatc tcatgaacat tattccccaa   360

gttgacatca gaagcatcgt tgttagatgt ggcagtgagt ggcatgccac attagatgcc   420

ttcactcata cccattttta aaataaatca tttattttct cagcaatctt caactgagaa   480

gggaaataaa agtctccgtg gcccttcctc tttcattctt agagaatttg aatgcattgt   540

atggaaatga   550

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<223>   Clone ID: jC-gmf102220054b06d1

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attattctag tccatcaata ttatctaact caccttcaca gttgctgata tagcattccc   180

atacaaatca ttcttaccga ggttctcaaa attttgagga aactgcccaa aagcaatttc   240

ttggcctttc tcttaatcca tgaaaaaaca aagggcatct ctcactgatt gtgaatggtt   300

tgagtacatg tcacaatcta taattagaat gatttttgcg ttgctaatcc ttgaagagac   360

tcttagcaat gaatttatag ctccagcttt ggagttgtga tgatattgag gtctcttctc   420

acgagccatt tacaccagag ttggcataac aaacccatct acatccttcg aattgtgcgg   480

gttcctttca tgaagtagtt tcttgaggat tgtatcgtga tcatgtcgag aat   533

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<223>   Clone ID: jC-gmf102220054b07d1

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gaagatctac atgaaccgga aggctttcca acattaattg gttgagggaa aaaaattcac   180

ctgtgctggg aacatgaacc taaggcattt acaaactttg taagaagtgc agcagattta   240

cacggaatgc cgaatctgtc tagcaaaatt caaacccgac atatttcagc gggatataag   300

gagcactgga tcagcctgca caaaagccaa tagggacttt ttaatggctc cactggcggg   360

tgcatgaagg ccaagcttgg ctcgcaggtc ggtgaccaca   400

<210>   3156
<211>   488
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054b08a1

<400>   3156

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atttgatttg gctttaaggt tttccattat agcggttttc tttttattat ttgttgttat   180

tattatgacg taatttcaat ccttttcata atgactccat aatggcgatt agtgaagttt   240

ctgagctgtg tgagcgattt agtataaagt atacgatgca tcgtttctgg ttctggatgt   300

tcatgttcga gcaaagatct tttgtgtgtg tacggttact gctttgacgt tttggatttt   360

cagtcagtca aatctcggaa gttctcagtg aagctcttca gcttagttag ggttcggaag   420

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tagttttc   488

<210>   3157
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220054b08d1

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aattcccctt tctgggtaaa agacgacaca ccccagaggc caaaacataa caatagaagc   120

aagcaaataa ctaaaatatc tcagtcctga aacaagaatt aacaaaaaca actacaaagg   180

aacgacaatt agcatgggag tcttggttgt tcttcaagcg agtgtaggat tctctgcagg   240

agaagtccta cacacgatat ctttaagagc tggacgaagc tccttgctac agaactggtt   300

atactccaag gtgtcaccgt tgtccttctt aacctacacc accaaaaacg acggcgtcac   360

ggcgtacaag tccgcagcaa tagcgagttt accttttcgc cctttgtctt gaccctgcaa   420

1248

cctaacctta gtctagctct tcttcacgtg gaacttcacc   460

<210>   3158
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054b09a1

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tttgacaagc agctcaagaa aaatctgcaa agaataaaac aagaggagga aatgcaactt   120

acttgttgat ataaacttca gacagagcga gttgttgtaa agctagcctt gttgcagcca   180

tggccaccca cgcggctcta gcttctacaa ggatccccac taacaccaag ttcccatcca   240

aggcttcaca ctctttccca acccaatgcg cctcaaagag acttgaggtg acagaattct   300

ctgggctaag atccacttca tgtgtgacat atgctaacga tgctagagaa tcttcctttt   360

ttgatcttgt agcttcccaa ctcactccca agaccaatgg atcatcaact cctgtgaggg   420

gagagacagt ggccaagttg aaggtggcaa tcaatggttt ccgacgcatt ggtagaaact   480

tccttcgctg ctg   493

<210>   3159
<211>   543
<212>   DNA
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<223>   Clone ID: jC-gmfl02220054b09d1

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cactttattt tctcccttta caaactacaa aatttagaac tatactgaaa aaaagagaaa   120

aaatacattt aaaatctggc atcctcgaag ccatgcaagt cactgactct gttcatagac   180

tttctcataa tagccacttt agccagtctc tcagctactc tccaagccga catcggcgta   240

agtggctccc ccttttcatc gaagcaatta ttattacaac tacttcttaa cttttggctc   300

ctcagctcgg cttgttcgga ttcgagccag cgcaagcact catcaccctg ttcgcggctc   360

acagatgctc gagccgagga tagcaactca agcgcgccag acacgtcgtt acgagccatc   420

aaccttctcg actcggctac ggcgcgagcg ctgacctggc aacgtcttaa ccgttcgatt 480

ctggggtcgc atgatcgaac cgtgcggtgt cgcggaacgt taactcacga tccttggaaa 540

tac   543

<210>   3160
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054b10a1

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aagctcttgc ttttccttct aactctgcac tcttcattcg ctgagatttt cttcgaagag 120

agattcgaag atggatggaa gagccgttgg gtgctatccg attggaaaag gagtgaagga 180

aaagcgggta ccttcaagca cacagcagga aaatggtctg gggatcctga tgacaaaggt 240

cttcagacat ataatgacgc caagcatttt gccatatctg caaagatacc cgagctaagc 300

aacaaggaca gaaccctggt gctgcagtat tctattaggt ttgagcagga cattgaatgc 360

ggtggcggtt acatcaaact tctttctggt tatgtcaatc agaagaagtt tggtggtgat 420

accccttata gtttgatgtt tggaccagat atatgtggtt cacagacaaa gaagcttcat 480

cttatactat cataccaggg   500

<210>   3161
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054b10d1

<400>   3161

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tcagggtacc gtgcttcaat tcaaatcctt atacatcctt taaaaaaaat gcaaaaacta 120

aaatcaataa acacttttt ttgctcggca aaataaataa acactgacta atgagagcat 180

caaacctcag gagtacaata caaataatga cccggataaa ccatttgtca ctcaatcctt 240

gaatctctga agtaaacacc aaatcaggtc ctcttcctag caattacaca gatacaacac 300

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gagccttgta catgattata tacgccatgt gccaatcacc ttctccggat agtctagtta    360

tgtcttcttc tagttttggt ttgggattgg catcgtcaaa ctctatccat ttgccatttt    420

cttgctagac ccaaccaaca taatgtcct                                      449


<210>     3162
<211>     332
<212>     DNA
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<223>     Clone ID: jC-gmf102220054b11a1

<400>     3162

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agaaaattca caaggataag gatgccgagc ccactgaatt tgaggagaca gttggacagt    120

acttgttcga cttggagaac accaatcagg atctgaaaag tgacttgaaa gatctctaca    180

taaaccaagc tattcaaatg gatgtggctg gtaatcgcaa ggctgtagtc atctatgtgc    240

ctttcagatt gaggaaggca ttccgcaaga ttcatcttcg acttgtcaga gagttggaga    300

agaagtttag tgggaaggat gttgtcttga tt                                  332


<210>     3163
<211>     432
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmf102220054b12a1

<400>     3163

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gaagtcgcaa ttgatcatat tcgttatgag gacgagaaca gtggatacct ttgtattggt    120

agtgtagaga aggtgttgtg tttgattgca cgttgggtcg aagatccaaa ctcagaggca    180

tacaagcttc atttagccag aatccctgat tacttttggc ttgcagaaga tggattgaaa    240

atccagagtt tgggttctca actgtgggat gctacattag ctatacaagc aataatatca    300

tgtgatttga gtgaagagta tggacctaca cttcgtaaag cacaccactt ttgtaaggct    360

tcccaagtgc ttgaaaattc atcaagtaat ttcaaagcaa tgcatcgaca catatccaaa    420

ggagcatgga ca                                                        432
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<210> 3164
<211> 489
<212> DNA
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<223> Clone ID: jC-gmfl02220054c01a1

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acaaagacaa cccaatcatt gtttgttcac atccgaatcc acaaaatact gttataatta   180

ttctgattca cgaaaaacag gaaaacccga atctctctct ttgttcctct cggggtcacg   240

aaaatgggca cagagacctc atcggtggat atttctgaac ccttgctcgt ggattctcac   300

gggaacgagg aaaaggagga gtatttgcgc gaggaggttc cggaatggaa ggagcagata   360

acaataagag ggttggtggt gagtgctgtg ttggggacct tgttctgcat catcacccac   420

aagctgaacc tcaccgttgg gatcattcct tctcttaatg tggctgctgg cttggtgggg   480

ttcttctttt   489

<210> 3165
<211> 381
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c01d1

<400> 3165

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ctcaacccccc gggggggcccc ttggtttttc aaaaaaggaa aaattgctcc aaccaaaaag   120

ggggccccca aaccaaaggc ccaaagaact ggggcccaaa aaatatttcc ccccattggg   180

gttccgggat taagggtctt tgtataaaaa aaggggcccc ccaaaatttt gggggggggt   240

ggccttaaaa acccaaattg aaggtcaccc cccgggggaa aacccccgg ggttattggg   300

gaaaagggaa aaaaattggg cccaaaaggt attcaaaacc ttacataaaa aaagggccct   360

tttggggaaa cccccgggggg g   381

<210> 3166
<211> 498
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c02a1

<400> 3166

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ctcacaagaa gcccctcaca ctttggctca atggaggtcc tggatgttcc tccattggag   180

gaggtgcttt tactgaattg ggacccttt atcctaaagg tgatggacgt ggtctccgaa   240

gaaattcgat gtcttggaat aaagcatcca accttctttt tgtggagtct ccagctggag   300

ttggttggtc atactcaaat acaacttcag attataattc tggagatgcc tccactgcca   360

atgatatgta tttgttcatg ctgaaatggt acgagaagtt ttcatcttat ataacaaggg   420

agctgttcct tactggagaa agctatgcag gacactatat accccaattt aactaatgtt   480

ttattggacc ataatgct   498

<210> 3167
<211> 471
<212> DNA
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<223> Clone ID: jC-gmfl02220054c02d1

<400> 3167

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tttggtttct aatttcacgg ttgtgttacc attattagtt aataatttgt taaacacttg   120

aaggaccaaa gtctactaca taaccaaact ttgaccccaa agatgcatat ctaaagcccc   180

acactatgtt gtgctatcct ccaattgatc tgatatataa tccccagcaa ccctttacct   240

ccaccttttt aattacacct catatatcaa caaagattca aaatcttggc tttcacacac   300

aacaagatcc aacctttaga tcaaggacta cttggagggg gtatgaaaca ttaggtgaag   360

aatctgccac tactgcactt tagcatgagg ggttcaagag gagcacttgt tttgccttct   420

catggatcca attcttcaag aaaaatggct ccggattcca actttgggga c   471

<210> 3168
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c03a1

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aggaaacgca gcgtttgctc agtgagccag cacctggtat tagtgcctcc ccctctgaag   120

agaatatgcg atatttcaat gtgatgatcc ttgggcctac ccagtcgcct tatgaaggag   180

gcgttttcaa gttagaacta tttttgccag aagaatatcc aatggctgct ccaaaggtac   240

atatttacta ttattctttc taatggcacc atggcattct tttggtgtta agtttctacc   300

gaattcttat acaccaaaaa gaaatgaaac taagtctgta aagtgtttgc tggataattg   360

cttagagtaa actacacaaa cctccccggg ggtttaagga aattagagat gtctcccctc   420

aatttttaaa agctacacaa acctcccttg aggtttaagg aaattataga tgtctcccct   480

cggttttttaa aata   494

<210> 3169
<211> 523
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c03d1

<400> 3169

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ataggagcac aatactatac ataaaaactg acacaacacc ctattagata tgaaaaacta   120

gatagcatcc aattacaaaa cttaagcata cataagaaaa ttatgcacac ataagtttgc   180

acgtttattt gtcaatgaga ggtacgttgg aaggaaagaa aaccacacac cacacaccac   240

acactctcat tagatagaga tgctgttggg aattcctctg aaagtaaggc cttccccact   300

ggtaggaaga agcacagtgt agggcatctg cgccggtcca ttacggttcc taaggcttga   360

attcttgttc ctccctgaga ttttgtcctc aatttccttc agcttgtttc caaacttctt   420

aaaggcttga attgcctttg tgtcatcagt ccaatttgga ttgtccctct gtccaaggta   480

gacctcatca gaagcatgcc ttgacaatat ctctatcact gta   523

1254

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<211>      522
<212>      DNA
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<223>      Clone ID: jC-gmfl02220054c04a1

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actatggcaa gaagtccaag cttggtttca ctgtctatcc ttcaccccaa gtttcgacct  180

ctgttgttga gccttacaac agtgtcctct ccactcattc tcttcttgag cacactgatg  240

tggctgtcct gctcgacaat gaagccattt atgacatctg caggcgttca ctggacattg  300

agaggccaac ctacaccaac cttaatcgtt tagtttctca ggtgatatca tcactgactg  360

cttccctgag gtttgatgga gccttgaatg ttgatgtcaa tgaattccag accaaccttg  420

tgccataccc caggattcat tttatgcttt catcttatgc tcctgtaatt tcagccgaga  480

aggctcacca tgagcagcta tcagttggtg aaatcaccaa ca                     522


<210>      3171
<211>      415
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054c04d1

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taagatattt gaaatcctgg ggaaaaatgg tggggcgaca aataaatgga cccaattgtt  120

atgtgaatcc actggctggg aaaacaaatt gtttggggga ccaaaacctt ggggcccccc  180

ttttttttggt tcgaaaaaac gagctggtaa aactgtaccc ggaacccctt gccaaggagg  240

ccccaaacgt ttttgccccc tgcgaagggc ccttaggagg ggcgaccttc ctgtcccact  300

gaaaggctgg ggttaatccc aactggggggg aaccccttggc ccccaacggg gccaaaaggg  360

tttccagggg aagaattttg ggaaccacgg gaaactggtt ttcaaagggg ggtgg        415
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<210> 3172
<211> 588
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220054c05a1

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actaattgct tccaatctcc gtcaccaaat cacaaaaatc agctcaaaac cttcgccgcc   180

agctttttc cacggcggcg gcggtggcgg tgcctgaaca cgatgggaac aactccaact   240

cgtcgggaat gacgatgaag ggcgttcgaa tctccggaag acccctttac ctggacgtgc   300

aggcaacatc tccggtggac ccgcgcgtgc tcgacgcgat gctccctttc tacctctctc   360

gctacggaaa ccctcactcc cgcacccact tctacggntg ggaatccgac gaggccgtgg   420

aacacgcgcg cgctcaggta gcgtccctca tcggcgcgtc ccccaaggag atagtcttca   480

cctccggcgc caccgagtcc aataacatct tcgtcaaggg cgtcatgcat ttctacaagg   540

acaagaagcg ccacgtcata accacgcaaa cggagcacaa agtgcgtc   588

<210> 3173
<211> 541
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c05d1

<400> 3173

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ctcgtcaccc caagaaacaa ttattttcct tcgattttc tctttgtgaa accaaattta   120

ataatttatt ctttaatcta ggaaggaagc aaacattggt tgttacattt tctattgtag   180

aacatccaac atatatgctc aacacttggc tttctcatag acgtgccatt gactttggag   240

tagatgaagc aggtgcactc aagggaatgc ctttgagtgc tctttcttcc aaataccttg   300

agggtttata gaagttacca tataattgtg cccatttttt taggctggta tatatatgat   360

tggccccaac caagtctgcc cagaaaacaa tgccaccccg gtaatttggg aagctcattc   420

1256

caagaacaga tgcaatgtca aggtctgatg ctcgaataac aactccatct tctagaacac   480

ggcatgcctc attaactact gggaagagta tcatcttcac gatctcttgg tcagtaacag   540

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<210>   3174
<211>   462
<212>   DNA
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<223>   Clone ID: jC-gmfl02220054c06a1

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tcccatcaga ggacaaagct tccgactttg cgggattcgt tcgtatttgt ttcagtgctg   180

tgatggggaa ggtcgcggtg ggagctgccg ttgtctgcgc cgccgccgta tgcgctgcgg   240

cggcgctggt ggtgcgccac cgcatgatta gttcccggaa gtggagtcgc gccatggcga   300

tactgaagga gtttgaggag aagtgtggca ccccaattgt gaagctaaga caagtggctg   360

atgccatgga tgttgagatg cacgcgggtc tcgcatctga aggtggtagc aagctcaata   420

tgttgatcag ttttgtcgat aatctcccaa ctggggatga gg   462

<210>   3175
<211>   414
<212>   DNA
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<223>   Clone ID: jC-gmfl02220054c06d1

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aacctacatt aataaaggaa cagtaaaaag gaattctaat cagcggatac aaatttctac   180

agcttattag ctaattacac ctttagcctt ttttcactgg ggcataatac gtatcccca   240

accaaaaaaa taccaagggt gtgggggaac tcatctttgg tggtcttttg catcttctaa   300

tgaaagctaa aagcctaatt gtaataaccc tatccatcaa cacgctgcaa aatggttggc   360

aacgggcctg aataattaag gcttacgggc cacgggggaat gatgccttgg ggga   414

<210>   3176
<211>   501
<212>   DNA
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<223>   Clone ID: jC-gmfl02220054c07a1

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ggagcggccg atattcgaga tgatatcggc cgcccagaca atcctgcccg actctgacgg   120

tgctatagat gggcaccttc gggaggtggg actcacgttc cacctcttga aagatgtgcc   180

cgggatcatc tcgaagaaca ttgagaagag tcttgttgaa gcttttgagc ccatcgggat   240

cagcgactgg aactctatct tctggatcgc catcccggt ggtcccgcga tcctcgatca   300

agtcgaggag aagctccggc tcaagccgga gaaactccaa tccacccggc atgtgctgag   360

tgagtacgga aacatgtcaa gcgcgtgtgt tttgttcatt ctggatgaaa tgaggaagaa   420

gtctaaggag gaagggaaga gcaccactgg agaagggtta gagtggggggg tgctattcgg   480

attcgggccg ggtctaaccc g   501

<210>   3177
<211>   380
<212>   DNA
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<223>   Clone ID: jC-gmfl02220054c07d1

<400>   3177

tgaagttgct gatcagaatt attcccggag cgacaatgct cactggccgc ggtcgccctt   60

ttttttgaag tttcaatatt ttactaatat atgctaatat atgctaatct aatatttatt   120

tatatctatc tacctatatc tataaaagaa taggtagatg gatctcgctg tttacttggg   180

gggatctatt gagccggaat acatgtgcgg caagctaaac gaaaaggacc attttgtaaa   240

aaactggtca aggagggcca aacatggatt cacctatata agccgaagct ccagaaccac   300

aagggacagc ttgaataccg cttgtgaata atccaaggaa catgacaggt acacgaacct   360

gcaaaggtac tgatgaaaca   380

<210>   3178
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054c08a1

<400>   3178

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gacaaccgta agaaccttgc tgctgtaagg gaggaaatac cacatgcatt aagagcagct    60

cctaacgccg cctgtttagt tttagattct ctgaaggggt tttactgtac agaagtgtca   120

aatcaggacg taaagaagga tgctaactta ctgggtgttc gccgaacatg tatcatgctg   180

atggaatgtc tatgtgattt cctgagcaac tcaggttgtg tttctaatgt aatttcagaa   240

gatatcaagg accgggctaa ggcagttgct gaagaatgga aacccagatt ggatgctctt   300

gacatcgatg ctagcaatgt gaattccttg gaggctcatg cattttttgca acttctagcc   360

agttttggta ttgcctctgg ttttaatgag gaggagttat ctaggctaat tccaatggta   420

tctcgacgtc gccaaactgc tgatttatgt cgttgccttg ggtttcagag aagatgcctg   480

gtgtcattga agttttggtg aatagcgggc ggcacattga tgct                    524
```


<210>   3179
<211>   323
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054c08d1

<400>   3179

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gcttaaagga aatcatatgc atttctcatt aatactaatg aaactaaact gataatagcg    60

atatgaaaag gtttgcatct ctattgttga aatgttatta cattataaac ttttcaatat   120

gagctaataa ttattgctac atatttccac cttatgcaga atgagatgag caccatgttg   180

gggtcctaga gtcataaccc atgttggagc accattatag gtggtagaaa gttcaaacga   240

gaaacgctgt atgaacattg acaaagcaac ctttgctgtc taaacagcta cgtcatgtcc   300

gatgcatttta ctaagacccc ctc                                          323
```


<210>   3180
<211>   470
<212>   DNA
```

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054c09a1

<400>   3180

```
cctaaacata aactgttttt cccaaatccc cttcccaatt ttcaccaaaa cctaagactc    60

cgaaaccaat cttcgatcat ggccgccgaa tcacaacctc aactaatcga agagagaaga   120

gaggagcaag aactttaagt cctggtatat gagccaattc gcgaccatcc atgccctgat   180

gcgctgtgcc atcctctact cctacgccaa ggagcgcgcg ggtcctctga gcccggcgc    240

caacaccgtc gaggaggccg tgaataccgt cgtggctccg gtctacgaca ggttccacct   300

tgtccccggc gaggtcctta aatactccga tcgtatggtc gccgaattgg accgccacgt   360

tcccttcaac gtgaagtagg tcttcttcca ggcccgctcc gtattctacg aagtccgccg   420

tgatggagtc ttccgctaca ccaaaatcgt ttacttgaag tatgagccca                470
```

<210>   3181
<211>   514
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054c09d1

<400>   3181

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ctggtgtgat gtctagnaga ttaattctcc gtgtcgacga gtctcacata ctcagcgtag    60

gtcggcggtc gccctttttt ttttttttg cacgcaaaca aagtgattta ttaatccatt   120

cgatgttcaa atgtgtatag aaacatttaa ggtctaaatg cccaaatggt ctctaacaga   180

agctaatata gacaactatg aaataacaat aacgtatctg gcaaaccaga cttattttca   240

cagggacaga ctattcaaga cacttatgga aactactctt tctcatcttc ctcattccag   300

cactttaaag ttgatctaag ggaaccacag tcactagtct taccgaattc ttggtcgaca   360

acagaaccag ccattgcaag cccttcgtgg ctgctctctt acgacagtat gccttagcat   420

ccagaaagcg ggtctgatca atcgacttgc ttgcaccatc cacatggact gcaccagtaa   480

actcagatgg gaggaaacat gcctaatccc tctg                                 514
```

<210>   3182
<211>   494
```

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c10a1

<400> 3182

```
ctcaaattcg atttgttcca aattttcttc acaaaatgtc tggtcgtggg aaaggtggca   60

agggtttggg aaagggaggt gccaagaggc acagaaaagt tcttcgtgat aacattcaag  120

gtatcacgaa acctgcgatt cgtaggttag cgagaagagg tggcgttaag aggatcagtg  180

gtttgatcta tgaggaaacc agaggagttc tgaagatttt cttggagaac gtgattcgag  240

atgctgtgac ctacaccgag cacgctagga ggaagacggt gactgccatg gatgtggttt  300

atgcgctcaa gaggcaggga aggaccctct atggtttcgg aggctgaatg attgattctt  360

agtattatta aattatgttg caggatataa tattatgcct gttcttctga aattcggtgt  420

gatgtttagt ttaaattcgt tctgtaacat atgaatcttt aaaggttctg ttcggacaga  480

aaatgtacta cttt                                                     494
```

<210> 3183
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c10d1

<400> 3183

```
tggtcggcgt tcgtcctttt tttttttttt ttaaatgaaa tccatagtta cattctcaac   60

gagaagacat tatttaatta cattggaacc aacagtttga ttacaagtac taacaaaatg  120

aggcaaaaag aaaacaaaca tttttttcct gataaagcta aagctatagc catttttgaa  180

gcctggacaa aaagtgcaaa tactaaatac taattactaa aaaaacatat gacacaaaca  240

cacacatgaa catggaagaa aacttagtat gcccaggtcc aaagggcgtg atcttcctca  300

gaaaatccaa aattacaaga actttcaggc gggtcggagt aatccacatc ttcttcaagt  360

ttgggaaaga ggtacgaagg gtagagactt ttgctgaggt tatcttcttc atcttgtgac  420

atatccgatt gatcatgctc aaacacataa gaagaatcac catgctctag cagtgcggag  480

ttaactccat cggtgtaatg tggactatct gaatccaaaa tatcactcct ggctgaactg  540

atatcttc                                                            548
```

<210> 3184
<211> 438
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c11a1

<400> 3184

ctcaacccac aagaatccct tcctttctgg ctttctctcg ctaaaactat catgtactac   60

aacgcggctc ccgaccttcc catatccaac ccccaaacca ccgacgcagg cggcggcgcc   120

atcgaggctc cagcgaacaa cccggccttc cgcgccttca tcaacaacct ctccgaggac   180

ctccgacacg gtctagacca gcgccgtccg tggtcggagc tcggggaccg atccgcgttc   240

gcgaagcccg agtccttctt cgaagccacc ctccgcgtac gcaagaactt ctgctacttc   300

cgcgtcaact actacgccga cgtttcactc agtctcgcag tctctctcgt caccaatcct   360

tgtgctctga tcctcctcga cggcctcctc gcctactgga ccttgctgta cctgttacgt   420

ccgtcagatg aaccactc   438

<210> 3185
<211> 423
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054c12a1

<400> 3185

gttataatta gatgatataa aattatttta aatcaggatt tattttttct tgtaatttcc   60

ataaaccatt ctatagtaca attatgatat tgataatttt taattttatg tgatgtagag   120

agtaatagag attataacag tacgggagta ataattaaac ttttccattt tggctttgta   180

ccatataaaa tccccacacc cgcaaacatt acaacctgtt tgtgtcggtc acactcgtca   240

cgagttagag atattttccc aagaagaaaa aaaacactct ccatttgtgc ttgtgttttt   300

tcccgggaaa actgagttca aaatgatgaa gaagaaaccg agcgcgagag agaattcgtc   360

gtcgtcgtcg tccacggcgg ccagagaaga agagagcgaa tgggaaatga ggcccggagg   420

gat   423

```
<210>      3186
<211>      382
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054d01a1

<400>      3186

aattacagga atcggctgct tagacctcat ccatgcacaa ggctttggcc gcatacgaag      60

atgactacgt ctttcctgca tcgacgctga tatatcactg tgacgagact gatcggagac     120

acctgtccct actgccgagt ccactgaggc atgattggga gccacatacg ttatccctta     180

ggagaaagcg cttttaagta ttgataccgt ttctacgttg caggatcaga cttactctcc     240

gtctcatgat acagacatgc tgcaatccat gcttgcaact agggatcttg actttacaga     300

tcttaagtgg gaactgccac tactcaatag aatctgtgat gctctagact gatccacagc     360

tcaatggttt gagctcgcct at                                              382


<210>      3187
<211>      470
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054d01d1

<400>      3187

cacatccaca catttataga acagaaggaa cacgtttcca caagtactt catgaataat      60

tcttcatttt tagatagtta catggactaa gtttgagctt aaaacatcga tttgcaaagt     120

ttattgcgcc aaagcccttg tgttgtagac aaaaagtgca ccaccagcaa gaagaccaag     180

tagagtcaca gcccaaatag ccaagccagt cgtaccgcca gcgtaaacat caccggttgg     240

aaaccagtcc ttggggttct aaataggact gtaaccttcg acattagcac cgtatttgtt     300

tacaaactgg taaacgcctt ttccctttcc tttcctgcca gatgcataaa ctctttcctt     360

taaagccttg ccaccattaa ttccataagg ctttgtaatc ttgatctttt tgccaccatt     420

ggccacaact ttgaatgaaa aggagttcct tgaaagggag ggaaggcctt                 470


<210>      3188
<211>      531
<212>      DNA
<213>      Glycine max
```

1263

<400> 3188

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<223>      Clone ID: jC-gmfl02220054d02a1

<400>      3188

ctaattcaga agctttagta aaagaaatag ttgggcagac atctggttac atgcccaggg    60

atatatgtgc tttaattgct gatgctggtg ccaacttatt tcccagaaac aatgctaaag   120

tagacaaaga tgtacatgat gatgtaggta gttcccttag ttccaagatg gcagaggaca   180

acaatcacgg gaaagtttca cctcagatta ctggaaaaga agacttgttg aatgctttgg   240

aacgatcaaa gaaaagaaat gcatcagcat tgggtactcc aaaggttccg aatgtgaaat   300

gggaggatgt tggtgggctt gaagatgtca aaaaatcaat tctggatact gttcagttac   360

ctctcctgca taaagatcta ttttcatctg gattacgtaa gcgatctggt gttcttttgt   420

atggtccccc tggaactggc aaaacattat tagcaaaagc tgttgctaca gagtgctcct   480

taaattttct tagtgtgaaa ggtcctgaac tgatcaacat gtacattgga g            531
```

```
<210>      3189
<211>      434
<212>      DNA
<213>      Glycine max
```

```
<223>      Clone ID: jC-gmfl02220054d02d1

<400>      3189

cgaagtcgct ggtccggaat tagtcccgga gctcctgctc actaggccgc ggttcgccct    60

ttttttttttt tttttttttac ttttgcattc gaatccatga gattcacaga ttaggattat   120

cttcaaatgc tatacggaga cattaaaaga gactcctgat tagaatacga cagcgaggtt   180

ataaagttac caacgtgatc catcaatgat gctctacctg ttcccgtaga tcacagagat   240

ccatatgttc ttgcatagct gccttgagaa ggactggtgg tttgccagct gactgttttg   300

gaacaagatc tgggtccttc gacttgaggc tcctacgtgt gtgcatgggc tcgcaggtcc   360

tctggaaact ccccttacgtg cccgggggact catgagtcaa gataaccatt cgttgcccgt   420

tttcttggga tcat                                                     434
```

```
<210>      3190
<211>      483
<212>      DNA
<213>      Glycine max
```

<223>   Clone ID: jC-gmfl02220054d03a1

<400>   3190

ctcattttcg ttttacatgt tttgagaaag tgtgtctctc agaaaattat taatgtttga   60

tgaaaagtga gaatctggac aaatactact gaattaagtt ttgatgctcc agaatggagt   120

gttttagctt attacttttt atggtcttgt tctatctgct ccaatccatg atatacataa   180

caacaacaac aacaacaacc aagccttatc ccactaggtg aggttggcta catggaccac   240

acgacgccat atgatatgca taacccctga ttggaattta tatatatgtt tatatttata   300

tttattttct ctcggaacac ttgtcttcct gattgcttgt gaagttgata aataagttgt   360

gttttcccag gttggtagtg gaggagtcca gaaataagtt tgctaaccac gaaaaagaac   420

ttgcatcctt gtctaaagga tttccaaatt tctcaggtgg tgggtctaac atcccgaaaa   480

tag   483

<210>   3191
<211>   531
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054d03d1

<400>   3191

ttcgtccttt tttttttttt tttttttaac tcatcaaaaa ctgttttatt ttgccggtgc   60

atcatattct catgttcata tcaatgaaac tcgacggctc taataactca agtttaaata   120

ctggatcata aaatatgaca taagtataca cggaactaga aatgacaaat ttgcataaat   180

gaactagctg cagcttacgc acttttgtca tacaactttg cctaaggcgg tgaagttcac   240

cctgtttagc aggctcttaa ttggtcaaag tgcaggaggc ccacttaaca atggtgctgc   300

ttgctaatca ggctcaagct tctccaagat gtcattggcg aataaatgag ccgtacaagt   360

tatttcctta gaaataactg gctcttctgc cactgcaagc tgtgatagca aagactgcat   420

gtgcgccatt atgggcccac cagaatcttt ggcttgattt tcacactgag tatcgtgttc   480

aagctcttca cgttcttctg gaaaggcttg atgggcatca tacggaccgg a   531

<210>   3192
<211>   585

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054d04a1

<400>   3192

ctcattttcg ttttacatgt tttgagaaag tgtgtctctc agaaaattat taatgtttga   60

tgaaaagtga gaatctggac aaatactact gaattaagtt ttgatgctcc agaatggagt 120

gttttagctt attacttttt atggtcttgt tctatctgct ccaatccatg atatacataa 180

caacaacaac aacaacaacc aagccttatc ccactaggtg aggttggcta catggaccac 240

acgacgccat atgatatgca taacccctga ttgtaattta tatatatgtt tatatttata 300

tttatttct cttgtaacac ttgtcttcct gattgcttgt gaagttgata aataagttgt 360

gttttcccag gttggtagtg gaggagtcca gaaataagtt tgctaaccac gaaaaagaac 420

ttgcatcctt gtctaaagga tttccaaatt tctcaggtgg tgggtctaac atcccgaaaa 480

tagaatccga aattcaagaa gagggtggat caagggcaaa cccacttaac acaaatcatc 540

atgtagatgg atatggaaga gagaagacat ggaaaaggac ttgac   585

<210>   3193
<211>   461
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054d04d1

<400>   3193

ctggatgctg ctctgattca gaattgggtc gacgagcgta ctgctcggtg gccggccttc   60

gtcctttttt tttaacacgc gcatgtgata tttaattata agcatattgg atacaagaca 120

agattgttca ttatactagc aagattatct tctaggagca ttatccattt actaaacctt 180

aggagatcca acatgatatg cacaactttt tacaacttga cggcctatca agcacagcat 240

ggtcaccttt gagacacact tggctcatgc gactctgttg cgtgagacgc agactcaggc 300

atactgtaat gcatgaagag tgaccggccg ttgcctgcat cactggattg agtgtctacc 360

tgtagtgcag cactttgttg agacatggag actgggtacg acccaagtga tgtaactggt 420

tctgctacat catatctatg tgggtgacag ctgctagtcc a   461

<210> 3194
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054d05a1

<400> 3194

```
tgttggtgag tgtcactgct gaagagagaa ccacgcagaa ctgacgcaat gggaagcaca   60

agtttgcttc atctattact tggtgttgtt ttggctctgc tgagtgtgtc tcttgtggaa  120

ggagaagatg catacaaata ctacacgtgg actgtgacat atggcattct ttctccacta  180

ggtagtcctc agcaggtggt tcttatcgat ggtcagtttc ctgggcctca actagacttg  240

gtaactaatg aaaatgttgt tctcaacctt gtaaacaagt tagatgagcc atttcttctt  300

acttggaatg gcatcaaaca aaggaaaaac tcatggcaag atggggtatt gggaaccaat  360

tgccccattc ctccaaactc aaattacaca tacaagtttc aggtcaagga tcagattgga  420

acctacacat actttccatc gacttcactg cataaagcag ctggagggtg tggaggactc  480

aatgtctacc atagatctgt catcccagtt tcttatccgt accctga              527
```

<210> 3195
<211> 408
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054d05d1

<400> 3195

```
tccttaattt ctgctgttta ctgtatccat aaggaggagc gcgttcacaa ttgacgtgga   60

gccccacctg ttgtttgaac caattgcagg ggaaagcgct cttgactaac acactggact  120

ggctggtgat cagtgggcat ggggcgaaga atagcattat cacactacat gaaaatacgg  180

gttcaaccgg ctcatctgta tcgacagcct ttacactaaa atacacgccc tactacagtg  240

ctgtgaaact gtcgatgtgc gtccctggat gactgaacta tacgaaactg atacactgta  300

gacattatcg agaaacacaa agtccgggcc tgttattggg cacagagagc aaagccacat  360

gccaactcgt gcagcatgcg ttgatcttat agataacagt gtgagctc              408
```

<210> 3196
<211> 526
```

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220054d06a1

<400> 3196

gttgattgtt gaagtttctc ttctcttgct ctgactccaa tatttccttt aaaataaaaa   60

tagcattctc ttccttcttc cttcttccat tcattcattc acattccacg ctttcttcag   120

agcctgcact tgttccaccc tttaacatac cactcctnct cttncacaat tctcttatcc   180

gtaatctggc actcttcaga gaagactttg taagataaaa agagaaatgg ccttagacca   240

gtattttgat gaggctgtgc cccagttgga ttccttggaa gataaatcgt ctctcgaaac   300

atggaaatgt ggcagtgacg atattgcaga ttcggataga aatgcctctg gtggctttga   360

ttgcaacata tgcctggagt gtgtgcaaga tccagtggtc actctctgtg gccatctcta   420

ctgctggccc tgtatttaca aatggcttaa tttacaaact gcctcttctg aanatgaaga   480

agagaagcaa ccatgtccag tctgcaaatc agaaatctca cagtcg   526

<210> 3197
<211> 585
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220054d06d1

<400> 3197

atctgactgg tcggcggccg ccctttttttt tttttttga aataaacaaa cttcacattg   60

atctcattaa tgataaatcc atgcaccaaa ggaaacaact ttaaacctag cttattaatt   120

actatacaat aactcgtact gacgacaaac tgttatatta ttcatgatca ttatgataca   180

taactattct tcacatgata cataatgaag tgttattacc attttttcta aaactaaaaa   240

tcttgattat gtaaatttta gtctgcatga ccatacacat gtacgtagtg gtatggaatg   300

atcatgtata cggacacatc aatctgcttt aaaatgtttt tcaattgatc ccagaagagt   360

ggaattaata taatcttgtg gaccgtgagc aggtaagcca ggaatcagca gaccaaccaa   420

cctgaaacta aagagaaacc atccttctct atagtgaggt ccatttttgt acgctatggt   480

aaagctcctt attagttcca aaacagcatt gaacatcatg ggtatcacac accatggcga   540

gaaatagttc ttattcggct cttcttcgag aactctgagt tcata   585

<210>   3198
<211>   470
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054d07d1

<400>   3198

tgggatatgc gctaattcag aacagggtcg acgagctaca catactcgcg taggccggcc   60

ttcgtccttt tttttttttt tttttttgttt ctattttcat tcgaattcat tttatttata   120

tattaatatt atattcaaat gaaataaaaa gatattaaaa gatactaatt ataagaattt   180

gaaagtgaaa ttaataagtt attaaatgat taatcaatct ttttctacct gtacctgtag   240

tgaaaagagt tccatctgtt cttgaatagc ttccttcaaa aggacttctg cttccccatt   300

gaatgtcttg gcagaagata tgagttcttt gaattgcggt ttattcgtgt gaaagtaagc   360

acgtaactca gcaggaaatt cccttacctg tccaatttct aatgaatcat gataaccatt   420

cgtttcagta taaataggca taatactgaa cttccacggg aagaggagct   470

<210>   3199
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054d08a1

<400>   3199

aaaccctttc aacagttaca aatgtatgca actccacaaa ggctctcttt ttgcatgaga   60

catcctctct cttaaaacct ccctccttca gtcaaagctc ccccaatcat actattccca   120

tttcaccact cacactttttt tcctctcgct cttataataa cttcctcata tatacactta   180

ctctccttca atagggtaac ttttgaattt ggtgccccc ccaatctttt tttttctcta   240

ttttgttttg gagtttggaa catatatagt attgaagcct aaaagatttt gaagaaaaaa   300

gcgatgagaa actctgaagc accaacacat ggtggcatgg agatagaagc aacacggcct   360

tcagctggga atggttcaac aataacccta ccagggttga gtcctctgag tgagacccтт   420

tggagggaaa aggccaacac tgcagagatc attggtgatg tctcagcaag gctcacatgg   480

```
aaggatctga ctgtgatggt cactctcagc aacggtgaga cacagaatgt ttt          533


<210>       3200
<211>       417
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220054d08d1

<400>       3200

ctgactagct gaattagatc agtccacgag ctcaatctcc tagtccgcgc gtcgcccttt    60

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atcacctttt tggacgcaag gaaaagggcc ccaagttaat ttaaggggac cctttaaccc   180

aaaatttata aggggagacc tcccaaactc aaaaatttta tagacgcatc tcaaactggg   240

gctttttttct tttaccccta aacattgaga aacccaaaaa gggtacccccc ccatcccagc   300

accacttttt acgcttggat caactcaacc tccgagaacc gaaattttttt cctggcacat   360

tcgacttgac ccctattcaa tagtgggaaa aagatccccct tgaaatgacc ccccttg      417


<210>       3201
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<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220054d09a1

<400>       3201

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aaacccattc cacttggtga gaaccgtttg gagaagcatg ctgcattctt ttgacttgaa   180

taaagatggt gtcatctacc catgggagac ttttaaaggg ttgcgtgaaa tcgggactgg   240

ggttttgctg tccgttggag gtgctatttt catcaatgtg tttctcagtc agagtactcg   300

tcccggaaag tttccatcta acttttttcc aattgaaatt aaaaatatcc aacgcggcaa   360

acacggctgt gacactggag tctacgatac tgaaggaagg tttgtacctc caaaatttga   420

agaaaatttt aacaagcatg cacatacaca tccaaatgct ttgacatatg atgagttaac   480

ggagatgata aaggcaaata gagag                                         505
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<210>   3202
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054d09d1

<400>   3202

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gaaacacacg caatcaactg aatagtatgc atagaaacaa gatgacgtaa ctatatatat 180

tagaacgaaa attcctaacc attttcaaaa ggaaaaacat gaaattctaa ggctccactg 240

ttgtgacctg ctgccattcc ccatcaactg ctgccttcca caatgtgaca ttgacggttc 300

catcatccac agacaatatg attcctgtta atgaccatga gaccctccaa acacgggtgt 360

tgaaatcatt caaaaccttt ggttaccact gatcccactg tttcaccagg gagcatatta 420

tca   423

<210>   3203
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054d10a1

<400>   3203

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ccaaaccaat cttcgatcat ggccgccgaa tcacaacctc aactaatcga agagagaaga 120

gaggagcaag aacttaagtt cctggaaatt gggcaatttc gcgaccatcc aggccctgat 180

gcgctgcgcc atcctctact cctacgccaa ggagcgcgcg ggtcctctga agcccggcgt 240

caacaccgtc gaggaggccg tgaagaccgt cgtggctccg gtctacgaca ggttccacct 300

cgtccccggc gaggtcctca aatacgccga tcgcaaggtc gccgaattgg accgccacgt 360

tccctccaac gtgaagaagg tctcctccca ggcccgctcc gtcgtctccg aagtccgtcg 420

tgatggtgtc tccgcctacg ccaaaatcgt ttacttgaag tatgagccca cggcggagca 480

gtgtgccgtc ttcgcatgga g   501

<210> 3204
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054d10d1

<400> 3204

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tgaataccaa tgaattccaa tcgatcagta attccttaca gggtcaatac catcatcagc   180

ctaaatgaag atcgtatttt gaattttacg gctctccaga aaacagtagg gaaggaacta   240

agttagctgc aacatcagtt atcctagcgt ggcatggtaa tgagctcaaa tgtcatggtg   300

tttccattat atcattttca caaaatttcc atgatccatc gtcttgcctc ttcataacat   360

acttaacttt gtaagtgaga taatagtttg ggctcttctg ctgtgaaccg tcaacaagtt   420

cagatgcttc ctctaagaga gcttcaattt ctgccatgtc atctccattt ccatctgata   480

gaatgtcagc                                                          490
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<210> 3205
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054d11a1

<400> 3205

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ctaaagcttc agaatcgcat ccatgatcaa cgggagcacc tactcatcgc cttgaagtag   180

ttctcgatct gcgctttcag gtatgccaag ggaaattgaa cggcaatggt gtaaaacaac   240

gtcgttagaa tgagaagaaa gagattaatt gatataactt tgatgtccac gttcgcgatt   300

tggggaacag agagatgaga atgccaaaga ggaagaaaaa tgagaaatag tctacagagt   360

tgtggcattc agattcagat tcaaattcca atttcaaaaa cctaaactct gtagccaaaa   420

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<210> 3206
<211> 526
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054d12a1

<400> 3206

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tgaaaaggca tctcaccgga gaattcgaga agaaatatga gccaaccatc ggtgtggagg   180

ttcacccatt ggattttttc acaaactgtg gaaagattcg attttactgc tgggatactg   240

ctggacagga gaaatttggt ggcctcagag atggatacta tatccatgga caatgtgcta   300

ttatcatgtt tgatgttact gcccggctaa catacaaaaa tgttcccacc tggcaccgtg   360

atctttgcag ggtctgtgag aacatcccaa ttgttctttg cggtaacaag gttgatgtca   420

agaacaggca agttaaggca aagcaggtta cattccacag gaagaagaat ttgagtacta   480

tgagatttca gctaagagca acttcaactt tgaaaagcca ttctta              526
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<210> 3207
<211> 525
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220054e01a1

<400> 3207

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agaacccttc gttcctgctt cttcttggag accttgtgct gatcagcgga attgggaacc   180

caatggtatg tgtggttgaa atttaacaat gattcatatt gtgtatgttt ataagtgtgc   240

aactacaaaa ggaaaataaa agttcaagct gatactcata gcctgctctc ttgtactgta   300

ctccaataga gggaaaaaat ggatacattt tggttactgc aaatggtggg atcaatcaac   360

aacgagtagc tgtttgtaat gctgtcgttg tggctcgttt actcaattca actttagtta   420

tccccaaatt tatgtacagt agtgtatgga gagatgtgag gtaatgcccg tctattctct   480
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cgtctttncc attccaactt gcctatactc atatatntcc taatg   525

<210>   3208
<211>   501
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054e01d1

<400>   3208

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ggaaaagcca tcttttctc aacaatgtct ttgtcatttg atccaatagc gcttcgttag   120

ataggaacag atttgataaa tattgataac tctcagatag agtattagaa cggaaaaatc   180

cattagataa tgaactattg attctaagcc atctctggca atgaatcaac aattcaaaat   240

gcttttcttg cgtattcttg ataaaccagt gtttatatat agatgtagga agatctgttt   300

gggaagtaag aagttccctt gacatctctt catctgtaaa gaattgtcga tgtgaaaaca   360

cagagacaaa aggctgatct ttgaatagga aaaagagtgg atccgcgggg tcccaaatga   420

attggcttat tcgaaaaaag ccctgttctt tggaagatct atctcgtgtc tggtactgca   480

tggntccacc ctgcaagaac t   501

<210>   3209
<211>   525
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e02a1

<400>   3209

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aattgttgtg attcaggagt ggtggggtgt ggattacgaa attaagaacc atgccgtgaa   180

gatttctcag cttggtagtg ggtttaaagc tcttattcca gatttataca gaggaaaggt   240

tggtctggat gttgctgaag ctcagcattt gatggatggt cttgattggc aaggtgctgt   300

gaaggatatt gctgcttcgg gtaactggct taaagcaaat ggctcaaaga aggctggtgt   360

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aactggattt tgtatgggag gtgctctctc tattgccagt tctgtcttgg ttcaagaggt   420

tgacgcttct gtagcattct atggagttcc tgcttttaac ttgctgaccc tgacacgcca   480

aggctcctgt tcaggctcat tttggagagg tggacaattt tgttg                    525
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<210>   3210
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e02d1

<400>   3210

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aaagataaat aacaacagaa cataaaaacc agaagtactt atatctccct cacttcatct   180

tcgttctcgt cctcactcca gcagcatttc agaatagacc taggagatgc actaccatcg   240

cagccttgaa caaatgtttg gtacacaact gcaccaccta ctccaagctc ttcagtgctc   300

ctctcaccac agtagtatcc tttgatgtct aagggaaatt tattaagctt ctcaccatgc   360

atgtcaatgt gcaaagcaac agaaaactct gctggacaaa agcaagctaa aatcctttcc   420

acaagttcac ctagagccat gtcattaaag tcataaccaa cagcttcaaa acttgcgtaa   480

ctgaaaccat cttcaggagt gacatggatg gtggatatag cac                     523
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<210>   3211
<211>   554
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e03a1

<400>   3211

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tctgtcatca atgggaatga ttccctaact ggtcacatca tatctacaac tattggaggc   180

aaaaatgggg aacccaaaca gactattagc tacatggcag aacgggttgt aggaactgga   240

tcatttggaa tcgtttttcca ggcaaaatgc ttggaaactg gggaggcagt ggcaattaaa   300
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aaggttttac aagacagaag atacaagaat cgtgaactgc agttaatgcg tgtgatggat   360

catccaaatg tgatctcttt gaagcattgt ttcttttcaa ctacaagtac agatgaactt   420

tttctcaatt tggtgatgga gtatgttcca gagtccatgt atagagtctt aaagcactat   480

agcaatgcta atcaaagaat gccaatcatc tacgtaaaac tttatttgta ccagattttc   540

aggggggtgg ctta   554

<210>   3212
<211>   549
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e03d1

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ttgttaacaa ttcccctttc tgggttaaag acgtctcacc ccataggcca tttcatatca   180

ttatatcctg cctattactc aaatatctca ttcctgaaac aagaattaac aacatcaact   240

acaaaggatc gacaattagc atgggagtct tggttgtcct acaagccagt gtaagattct   300

ttgcaggaga agtcctgcac acgatatctt taagagctgg acgaagctcc tcgctacaga   360

actggttata ctccaaggag tcaccgttgt ccttcttaac ctgcaccacc aaaaacgact   420

gcgtcacggc gtgcacgtgc gcagcaatag cgagtttacc ttttcgccct atatcttgac   480

cctgcaacct gaccttagtt ctgctcttct tgacgtcgaa cttcaccggc tttggcaaat   540

gttccaatc   549

<210>   3213
<211>   556
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e04a1

<400>   3213

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agaaatattc aatggggagc tttgaaactg aactgatgaa tcttaaggcc acagagttga   120

ggttgggact gcccggctgt gatgaaacta atgagaaaag ttcatccagt agtggatctg   180

ttgttagaag caacaagaga tcttcaccag aacccagtgt ggaagagtcc aggtgcaact   240

ctaatggttc ttcagattct accaccacaa gtgatcatga tcaagacagt gcccaacctg   300

aaaaggtaca agtagtgggg tggccaccaa ttagatcttt taggaagaac agtctgcaac   360

aacagaagaa ggtggagcag ctgcagggtg atggaggtgg aatgtacgtg aaagtgagca   420

tggctggtgc accttacttg aggaagatag atctcaaggt ttacaatagc tacccagaac   480

tcctcgcagc cttgcaaagt ttgttcacgt gcacatttgg tgaatattca gagagggaag   540

gttatcatgg atctga   556

<210>   3214
<211>   379
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e04d1

<400>   3214

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ctgggacaac ccaaaaaaaa accaaaataa gggcccggaa aaaaagcagg caataacagc   180

cggcgaaaaa acaaaaaggc ccaaaacgat cgccccccccc aacagaagaa cagccagaaa   240

ggggaatggc acccccccctg tagcagcaca aaaaccgccg ctgaagcggg ggccacaccc   300

agagggaccc ccaaaaaaag caacgcccca aagggcggaa ccaaaaaaaa ctcccctctac   360

ataaagaaa cggggggggg   379

<210>   3215
<211>   521
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e05a1

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gcaaaaaaaa aacacaaaac acactgtagc tcatcacagc caaacgcggc gtcaacgatg   120

1277

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acgagcttct gaaattccaa cttcgccctt cttctctgtg tatattcttt tttatttatt    180

tattattatt tctattattt tttcggggag gttagctcca tgcctagtcc caagagcagc    240

cgcagcggcc agatcgagag tcaccggagg ggaaggtcgt cgtccttcca cggccagtgc    300

gcgatgtctg tcggtcagct ccaccgtccg aagacggttt ccgacctccc gtcgctcaga    360

agcctcgccg gaacggcgcc ggcgcctatg ccggagggat tgcctagaca gccgccgaag    420

atgctgctga aggtgacggt gctgagaagc ctcgcgcccg tgcaggtgct gatgacgccg    480

ggatccaccg tccgcgacct gatagcggcg gcggtgcggc a                       521
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<210>   3216
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220054e05d1

<400>   3216

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tttccatgta aaacatttcc ttgtttcctc aacatgtata tgtagtccaa tgtcaaacaa    180

catttacatt ctccttagag aatcgagctc ctaatgtaac aaaattatac ttattctaca    240

tttgaaaagt taacaagtat tggcaaggcc aagttgtgat gcacctctca tctcaccttt    300

tgctgcctga aacagtttct ttcacagcac caacagactc caaaaactgg tcaagggatg    360

atagggtcct catgtcatgc ggaggaaaat agctggctga ctttgccatg attgatgaga    420

agagaaggga cagtgaatgc catgcatcat tactttgccc caaaaactca ttcaaaagtg    480

caaacgcagc cctgaaatca gacctacttg cactcattgg agcagcatag tgagcaggga    540
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<210>   3217
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e06a1

<400>   3217

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ccttaaatga gtaaaaaga gtgaagaaag gaaagaaagg agcaccattt ttggtttgag   180

aaacataatt agcaagagag ttcaaaatgg ggaagagaga gtttaatggg gtggtgttga   240

tgatgctgtg tttgtgggtt tgcggtgtca cagcctctgt gacttatgac cacaaagcca   300

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cacctcaaat gtggccagac cttattcaaa aggccaaaga tggaggcctt gatgtcattc   420

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ggttcgactt ggtta   495

<210>   3218
<211>   364
<212>   DNA
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<223>   Clone ID: jC-gmfl02220054e06d1

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atacgaacaa ttgttaaacc gcatatacgt acatatctca aatgctataa tggggagtat   180

ccaagtatat gcaagatcag cgattgatcg ctatgcatct aggaccgtca tagtgaatag   240

caccatgagg actctactac tggggccaga tgtaagatga tgctttcaga tctcgccttg   300

aacagcctgc ggtccaaggg atctagggcc ctaaatgata tacgcaggca ataggaatac   360

cgcc   364

<210>   3219
<211>   541
<212>   DNA
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<223>   Clone ID: jC-gmfl02220054e07a1

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gagaaaggga taagcataga agaaactacg agagctggaa ggaaaatggt gccggtgcac   420

atcatcaaca tttccaaaga gatgattggt attggaaggc tgaagcatcc tttagagagc   480

agtgggccaa tcaacatact caaagaggga gcggaaacta ttcgttatca catcactact   540

c   541

<210>   3220
<211>   379
<212>   DNA
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<223>   Clone ID: jC-gmfl02220054e07d1

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agcataaact ctgctttctt gggcacaatt cttcgttatc tacattggct agaaaaatct   180

gcagtgatct cacccagaat atgggttccc accaggtggt cctcccatat ccctgcttgg   240

cacatctcta ctgggagcat tgttcgacca tcctgaattt tgttgaaacc cttccatgtt   300

ctggtttgat ggtggccctc ccatgttccc tgcgttagta ttctgaggca caccaccacc   360

aggaccattg ccaccacct   379

<210>   3221
<211>   465
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e08a1

<400>   3221

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gtctcccaag ccgattaccc tgactactac tttcgcatta ccaacagcga acacatgact   180

gatctcaaag aaaagttcaa gcgcatgtgt gaaaagtcca tgataaagaa gcgatacatg   240

cacctgacgg aggagtttct gaaagagaac ccgaacatgt gcgagtacat ggcgccatcg   300

ctggacgtga gacaagacgt agtggtgatg gaggtgccga agctgggaaa acaagccgca   360

acgaaagcga ttaaggagtg gggtcaacca aagtcaaaga tcacacacct tgtgttctgc   420

accacttcag gcgtggacat gcccggagca gattaccagc tcacg   465

<210>   3222
<211>   369
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e08d1

<400>   3222

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catgaaagcc acgatagaca gtcaagtcaa gcattttgat acatcaaacc ccaaaatacc   120

agacaacact actcagctga gcagttttta tatcgtactt tgacatgaaa gtgtcataaa   180

ggccgataaa agcatatact gttaactcac acgaccttag ggctaaagcc cagggcatta   240

gttggactta aacggggaca cgttctagca attttttgtta aaacactgct aattttcgga   300

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ccaccacca   369

<210>   3223
<211>   461
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e09a1

<400>   3223

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ttgattagtt atagcaacca ctggtttgga ttaatctaac tcacttctga aaggatgaag   180

accggtttgt gtaaggattc cgaacatgac agtacctgaa tttcaaaatc cttacacaaa   240

ccggcggctc gagggagctc acctctatta caactgtccc agtggaaact attttgaata   300

tcaggctttt gctattgggt ctcgctctca agctgcaaag acatatttgg aacgcaggtt   360

tgagaatttt gtgggctctt cacgagaaga tctgatcaag atgcacttat tgcaactagg   420

gagtccttgc aaggtgaaaa actcaggagt tctgtgtgca c   461

<210>   3224
<211>   450
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e09d1

<400>   3224

taggtcggcg gtcgcccttt tttttttttt tttttttttt tttttttttt ttttacattc   60

tcaacgagaa gacattattt aattacattg gaaccaacag tttgatttca agtactaaca   120

aaatgaggga aaaagaaaac aaacattttt ttcctgataa agctaaagct atagccattt   180

ttgaagcctg gacaaaaagt gcaaattcta aatactaatt actaaaaaaa catatgacac   240

aaacacacac atgaacatgg aagaaaactt agtatgccca ggtccaaagg gcgtgatctt   300

cctcagaaaa tccaaaatta caagaacttt caggcgggtc ggagtaatcc acatcttctt   360

caagtttggg aaagaggtac caagggtaga gactttgct gaggttatct tcttcatctt   420

gtgacatatc cgattgatca tgctcaaaca   450

<210>   3225
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054e10a1

<400>   3225

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ttgattagtt atagcaacca ctggtttgga ttaaatctac caacactttc tgaaaggatg   180

aagaccggtt tgtgttagga ttccgaacat gacagtgcct gaatttcaaa atccttacac   240

aaaccggcgg ctcgagggag ctcacctcta ttacaactgt tccagtggaa actattttga   300

atatcaggct tttgctatag ggtctcgctc tcaagctgga tagacatatt tggaacgcat 360

gtttgagaat tttgtgggct cttcacgaga agatctgatc aagatgcacc tattgcaact 420

agggagtccc tgcaaggtgc aaaactcacg agtttctgtg tgcacacttg ctgtggttgg 480

tgttggagag ccattccaca tttt 504

<210> 3226
<211> 403
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054e10d1

<400> 3226

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aacatacata ctgatcggaa agtgctcgtt catttgatac tgaaccacat ttccagccca 180

tcagtgatct tccaactttg tcaacaatct gagttcttgc tcggcttctg gccaatggac 240

agtcacggct ttactgcaac aaatttctat acactgccca ttgacgatct tgcgttgaat 300

gtctaacaac ttcagccgtt aaaatgccta ctaccaacgc ttttaaagtc aacgtaacat 360

catataatac acggggtata ccctttcact cagctccaca gga 403

<210> 3227
<211> 557
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220054e11a1

<400> 3227

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actacttcaa agataaatgt tcttggaaac aagttccata acagattact tgaaattatt 120

gatgcaagcg agctgcctga atttctaggt ggtaattgca cttgtatgga tcgaggtggt 180

tgtatgagat ctgataaagg gccatggcag gatccaaaca ttttaaagat ggttcttagt 240

ggtgaagtac aatgttctag acaaatagta acagtttcta atgatgaggg gaccgtgatc 300

gaatgtgata aggcatgtta tccaatgcca ataagaagta gtgatacatc aacagcagaa 360

1283

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tcaggatctg aagtcgaaga tattacttct cccaagcaag tgggaattat acaaacccaa   420

ggttaactcc tgtccacgaa gaagcaagat tgattggtag ggctagtggt ttctctgagt   480

atgatgagta tgttcccatg gttgacaagg cttgtgaact cgggtggaat gagaaacaag   540

taacaactca aaactca                                                   557


<210>      3228
<211>      603
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054e12a1

<400>      3228

aaaagagtaa atattcgccc gcgataattt tgattttatt gaattttttt tttatttttg    60

ccaattctat ttattctttc taataataaa aaatattcta ataactaata ataaaaagga   120

aaataaagat tcattagaat attataaaat aacaaataat agaacaaaac aagattcttt   180

agttatatat gtaaaaaaaa atggtttatt tataagaata catattccat tctatatcaa   240

aacaaaatat aaaaatttgg aatagattct atgaaatctc aaaaaatccc gctattcaat   300

tattcattaa acatatgaat attagtgcat attattttat cgattagatt aaatagatta   360

tctatatata tagatagata tctatttgaa ttgcttcatt cgcgaggagc cgtatgaggt   420

gaaaatctca tgtacggttc tgtaataaag atggaattga gaaacaacca tcaattataa   480

cccccaaaga accagatttc gtaaacaaca tagaggacga atgaaaggaa tatcctatcg   540

agggaatcat atttgctttc gaagatatgc tcttcaagca cttgagccag cttggataac   600

atc                                                                  603


<210>      3229
<211>      362
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054f01a1

<400>      3229

cttttgcaga attcaaagca gtggagaaca aacgaatggt gacgaatgaa gaacagaggc    60

acagtcccag agaccagaag atcctcccat tagcagatta caatggccaa agcttgggaa   120
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cgcttttcag cccaaggctc agatctgggg ctgctgtggc tggttgggat gaagaggcac   180

tgatgttggc cagccgtcat gcttgaagac acgccgtatt gagatcccaa gcaccagaag   240

cgctacgttt ggcactccag aaacccacta aagtcatcaa ggagacgtac agctctgagg   300

agtacacacg caccaatccg tgtaggtctt gaacctgatg cagaagaaac tacgagaaaa   360

ga   362

<210>   3230
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054f01d1

<400>   3230

acaaggacaa acagttacct gaatttatta tttctcgcag catgaaagcc acgatagaca   60

gtcaagtcaa gcattatgat acatcagacc ccaaaatacc aacaacacta ctcagctgag   120

cagttattat atcgtacttt cacatgaaag tgtcataaag gcagataaaa gcatatacat   180

tcaacacaca cgaccataag gctcaagcac aaggcaatag tatgacttaa acggtgacac   240

atttcagcaa ttattcttaa aacactgcag attttctgaa tttgttcaaa atacaagagc   300

cttgttactg tagaaccaca cattcttgtg aaccagccac caccaccaca gtagggtgtt   360

cgcttgtgct gactgcatca acttcttttt tgacactttg aacattgaca tcctccaatt   420

caccacagcc aatggcttca aaaacaagat cattgacttc ttgaaacctc tcttgagaaa   480

gggacacctc agcaagaagc ct   502

<210>   3231
<211>   591
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054f02a1

<400>   3231

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ttctgtaagt gaggttatgc ctggatggag taatactgat gatggcagta ttattattta   120

tctgatttct gataagaagg agttcttacc taaattaagc agctataatt ggctggttgt   180

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tgttctaaat gttggaggcg aaagcttatg tcacaatcca aatatacttc agattgaaaa  240

cttagaggag tttccattga ccatatgcca cttaaataaa agatcaattg gaaccaatgc  300

tgtgactgtg agttatacaa tgaagccttc tcgtgtcgaa gattttgcaa agagggggtgc  360

atttcctttg tgtcctactc aaaatgggtt gatgtttgtg cctctcgcat ccaagctgcc  420

tttatcatct caattaaagg gtgttgacat agttcttcac aagccactga tgaaatatta  480

tcaattgaag ataataatat tacttttaca cagaacatcc aagcattgca aagatacttg  540

gatcagcacc aggatttttg tgtattgatc cactgagaat gtttattctt a           591
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<210>        3232
<211>        542
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220054f02d1

<400>        3232
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atgcgcaata tgttaaaagt gtatatatgt ggtgacaggg taaataattt acaaaagtgt   60

gacccggaga tgttgtatgg agagcactca aaggatgcag ttgctcacct ttcacaatag  120

ttggtctcaa gctaaagcat ttacacacta taattgaggt ggagtggatt cccattgata  180

aatgtagatg tcagctcagc tcccatccaa attgttggtt tcttgagttt tgcttaatta  240

cgatcagttg aagtcgaagt actcggaccc gatatcacga tgacaatgat agatcaggag  300

gggacggtat gtatgttgaa ttgatataga agccattact gattgaaaga caaaggttta  360

ctaactcgtc ctgcaaatca aggatgctgc tataacttcg agtgttgcct ccaagggcac  420

ccaccatcaa aagcatgttc taacacatct tccactcgtt tagcaagcag gatctccata  480

ttggatagca cagacgatgg tacttcaacc aagtccttca agttcctttc aggtagaata  540

ac                                                                542
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<210>        3233
<211>        551
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220054f03a1

<400>        3233
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agaaatattc aatggggagc tttgaaactg aactgatgaa tcttaaggcc acagagttga  120

ggttgggact gcccggctgt gatgaaacta atgagaaaag ttcatccagt agtggatctg  180

ttgttagaag caacaagaga tcttcaccag aacccagtgt ggaagagtcc aggtgcaact  240

ctaatggttc ttcagattct accaccacaa gtgatcatga tcaagacagt gcccaacctg  300

aaaaggtaca agtagtgggg tggccaccaa ttatatcttt taggaagaac agtctgcaac  360

aacagaagaa ggtggagcat ctgcagggtg atggaggtgg aatgcacgtg aaagtgagca  420

tggctggtgc accttacttg aggaagatag atctgaggtt tacaatagct acccagaact  480

cctcgcaggc ttgcaaagtt tgttacgtgc acatttggtg aatattcaga gagggaaggg  540

ttcaatggat c                                                      551


<210>        3234
<211>        507
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220054f03d1

<400>        3234

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tctgagtaca gaacaaacca ttcaccatta tggctatgat aatctttcct tagcaaacct  120

attataaaac aagggtgaac atatgtgaat tgtggaaggc ttgtacaata tagtccttga  180

gaagcaaggt caacctgtat tcttcatccc tgcagcaatc ccatttatgg tgataagcaa  240

agcatctctg atcttacggt tgtcatcatc acgtcttaac ctcttgagta tctccacctg  300

caacatgttc aagggattaa ggaagggaag tctattctca attagcctcc tcaagctcct  360

attattctgc tgaagtttct cgtgcccact aataaccatg acaaactttt cagctgtcat  420

gagctcactt cttagttcat ggccaagctc ttgcctctcc tttgacacaa ggacttcatc  480

atagtgctcg gctataggaa tgtcagc                                     507


<210>        3235
<211>        494
<212>        DNA
<213>        Glycine max
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<223>   Clone ID: jC-gmfl02220054f04a1

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ggcccgccct ccggcccaag cctggtccat acccttcctt ctttgccggt cacgccgccg   180

agcccgccaa aaaccccgtc ggttaccgag aagctcaagc gcctggccca acaaccttcc   240

ccggccttgg cccgggctac gaaatgggcc gcggacagct ggaagtcaaa gaaagccctg   300

ccgctgcccg aatacccgag ccaggaggag ctggagcccg tgctcaaaac cctcgaggct   360

gtttcttcaa tcgtcttcgg cggtgaggcc acgacttggg aagagcatcg tcgccgatgc   420

cgccatggga aatgcctctc ctcctcaggg cggagactgt gctgagagct gcaaggaggt   480

tattggcaac acca   494

<210>   3236
<211>   493
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054f04d1

<400>   3236

cttcgtcctt ttttttttaaa gtagtagttc tagcggatga ctcgcttttt tcaaatgggc   60

cttcattact aatgaaaagg taacagagag aatatacgag ctcgtgctat agcaaatgtt   120

attaatcgtt cgttgatcaa ggtccatcta cttacgcgta tggacactat tttttgttgg   180

gcactaataa ttcacactga ctaacgcatg cattaatcct caagagtgca cccccgattg   240

gtgacccggg caatacgcac tantaactga tatccttgga tctcatgaaa gaaacactta   300

gatagttcca tggtcctatg catcactctt gcaacactca gagcctttac cataattact   360

atcgccgagt gcgctttacc ttctgactat agtaaatatg tgcatcttct agttttggat   420

cgggattgtc atcgtcaaac tctatccatt tggcattttc ttgcttgacc catcccacat   480

aatgtcctga atc   493

<210>   3237
<211>   446

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220054f05a1

<400> 3237

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gtgattgtag cttccgcgat tgatgatggg ggctactcca gaggcgaacg gaaatgtcgc    60

ggacgaagaa aacgggagca acgtctgtgg ctcaatcgat ttcggcacgg cggaggccgt   120

cgaatacgtt cgctccctca ccgacgttgg cgccatgacg cgccttcttc acgaatgcat   180

cgctcaccag agagcggtgg acgttgaact cgacgagctt ctgtcgcagc gcaccgacct   240

cgaccgacac ctcctgcagc tccagcgctc ctccgacgtc ctcgacatcg tcaactccga   300

cgccgactac atgctctcca acgtcggctt cacctccgac ctcgccgacc aggtcagacg   360

caaggtccgc gagcttgatc tagcccagtc gcgcgtccgc aacacgctcc tccgtatcga   420

cgccatcgtc gaacgcgcca actccc                                       446
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<210> 3238
<211> 528
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220054f05d1

<400> 3238

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catgatctgc atcataggta tgccctaaac atagggtctg tagatgttaa aactaaacta   120

gttctttggt gaactaagta caaaatcaga caactaaaac tgctctatac tattaatcat   180

ctctgcttta caagttctct tgtaatgtcc agtttgatta caccgactac aatgcactgt   240

atgtttctcg cgattaaggt catccacaca catccgtttc tcagggcgtc ctggtggtcg   300

ccgtaatttt ggtggcctta caacaaggat attatcatcc atagaagagt tgcctgtttt   360

actccattca agttttccgg ggatggggtg tatagtctct gcataggtat ccctgaaact   420

tgcagcagta aaacacttct gggaaaatgc atagacatcc tttcgacatg agataagagc   480

agcagcagca tgggaacatg gaataccatt aagctgccaa tcacggca                 528
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<210> 3239
<211> 283
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1289

<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220054f06a1

<400>        3239

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ccacccggtt taactgctga agagtacgag gacctcacac ccttcgtgct ggagcaccac   180

acttatctcc gtacacccac ccggcatagc tccttcattc ttgcgcaggg tatccacgct   240

ccaccacacg cggtgtggtc cgtcgtgcgc tgcttctaca acc   283


<210>        3240
<211>        382
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220054f06d1

<400>        3240

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ctcataacgg atgtattacc ctaccgcaga tctatcaacc cttttggata ccctaagagt   180

gggctattac aacatccttt ccgaatctta cgttttttgtc tttttcacag gtcttgatgc   240

tcgtatattc gactatgaca gtggcaactg ttggttcaac tcccagtgct gtcacttctg   300

aatctgttac atgatagtga ggcccttgcg acactgtatg cttgcagtga atatttgagt   360

ggattctgga tccagattcc ac   382


<210>        3241
<211>        448
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220054f08d1

<400>        3241

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gctcttaaaa gcttattttt caaggaagtg ctgctttttaa ggagcgggtt aaaacttcca   120

gttctttcag tccctcttga ggagatttgg cctcaccaag caccttcact atagcactgc   180

caacaatcac accatcagct ccccatcccg ctacctgttt cacatgctca ggttttgata   240

ttccaaaacc aactgcgaca ggtttagtag ttgcctcttt aatttcctgt agaagggact   300

gaacagaacc actaacagat gcgcgggctc cagtgacccc cactgagctc acaagataca   360

caaatccttc tgccacatca acaatggctt tcattcggtc tggtggaatg gtggctgttg   420

tgaggagtac cagttcaatc catgtttc                                       448

<210>      3242
<211>      428
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054f09a1

<400>      3242

atctgctact gccctgggtc accataacca taatcatatc ccaaacccaa gccaacccag    60

cacaacacag caccacctcc tatcacataa taacaaccgt aaccttaacc ttaaaccccc   120

acaagattaa tgtttgggac cccgggattg ggatccccaa ctacaaaag aaaccgggtg    180

tttgctgttt tgggcagagc cggctgggaa cactcatgac gcggtgtagc ttgctttgca   240

aacacggtgg gcacaggtac agaacctgcc ctacccgtgg ggctaagcta tctggggtgc   300

gattcaccga cgggttgatg cggaagagcg ccagcatggg caacctaacc cactacgctg   360

gttccgggtc ggccccgccc catgacggga tgaataaccc gggatcaccc ggtgagaccc   420

ccgatcac                                                            428

<210>      3243
<211>      514
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054f09d1

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gccctttttt ttttttttttt ttttttttttt tttttagaaa gcatagacta tcatagagga   120

ttcgttgtta ttttttgagg aacaaggaat ttagaggtat gggatgatag ccaactacag   180

taaatgcatc ctttccacat aagagtggtt caaccattgg caaagaggct ccccacatcc          240

cacaaaacac cctgaatttc ccttttcagc caaaaatggg aaactgaatg tgtgcaacag          300

gtcctgcact gcctgtctca ccagagaaga tcctgtcacc ttgctccgac gaccccatcc          360

tgtgataatg tctacccgac tagggcgaat cccggatacc agcatacgtt ggcgaaacca          420

agcaagtgtc ctagacaatg ctgtcacagc agttccatca gacatgacat gaagatttat          480

aagccaatag cgagagcttt tttccttaac agca                                      514


<210>          3244
<211>          344
<212>          DNA
<213>          Glycine max

<223>          unsure at all n locations
<223>          Clone ID: jC-gmfl02220054f10a1

<400>          3244

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cccaaggccc atccacctgt cccgcgcctt ccacacccca gtgttcacca cctgccatcc          120

agtcttctcc gccacctgtt gcttactcac ctcctccggc tcagtctcca ccaccagctt          180

gcactcccac accagcccca ctcaggtctc ctcccccctgc ctgcccttct ccttcatctg          240

caccacccgg atatgctccc cctgcctctg ctcctgcggg atctccacca cgccgattct          300

nctcccccctg cctgccctcc tgcggcatct cctacccccag ccac                          344


<210>          3245
<211>          489
<212>          DNA
<213>          Glycine max

<223>          Clone ID: jC-gmfl02220054f10d1

<400>          3245

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attttcttta catgccctaa tgttgtaaga catgccccac aacaaattta tatctacttt          120

taggagtact tccccacatc caaaatttca acttccttca catcctttcc cttccccaat          180

tgctgtaaaa tatttagcga attcgacatc tcacatttca gttagctgga caaaatccag          240

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ccacagagaa tacgagctcg acttggtacg ctaaaaaaag gaatacatga aaaccaccct    300

ttaaaagcct aaacaacaaa acttgaaaaa aggggaaaat tttcacaccc acaaaataat    360

cccagtattt gggaataaac ccaattttga tgcctcctat tatggcatcc ccttttccca    420

ccttaggtcc caaagaaacc agcacctcat cgtcttcttc agcttttaca ctcttcagca    480

ctttcgata                                                            489


<210>      3246
<211>      541
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054f11a1

<400>      3246

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tgggatgctt gaagagattt acaagagcag aaagattggg gtcagaccaa aaattttct     180

gtcggcagtg tcaggtgagg caagaaactc tcaaacagat gtccattagg aagcttcccc    240

ttgtttcttg cttccatata aaaagatttg agcactcttc aacaagaaag atgtcaagga    300

aagtggatcg ctacctgcag ttcccatttt cactggacat gtctccttat ctatcatcaa    360

caattttaag gaatcgattt gggaatagga tctttttcttt tgatggggat gagccggatg    420

cttcagatga gttgtgttca aagtttgagt ttgttgccgt tggcacgcac agtggtaagc    480

tagacgctgg ccattattgt cacttatctg cgaataagta atcagtggtc cagtgtgatg    540

a                                                                    541


<210>      3247
<211>      488
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220054f12a1

<400>      3247

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accgctcgta agtccacagg aggaaaggct cctaggaagc agcttgcaac caaggctgca    120
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cgtaagtctg caccaactac tggtggtgtg aagaagcccc accgttatcg tcctggtacc   180

gttgctcttc gtgagattag gaaataccag aagagtaccg agcttttgat ccggaagctc   240

cccttccaga ggctggttcg tgaaattgct caggacttca agactgatct gcgtttccag   300

agccacgccg tgcttgcatt gcaagaagct gctgaggcat accttgatgg gctctttgaa   360

gacactaacc tgtgtgccat tcacgccaag cgtgtaacca ttatgcccaa ggatattcag   420

ctggcangaa ggattcgtgg tgagcgtgct tgattggtgg ttggaaagat gaagatgatt   480

ggtggctg   488

<210>   3248
<211>   508
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g01a1

<400>   3248

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tgcctgacaa ctaatgacta aggttttgcc tcaaggccta tcacatcagc agggaaaatc   180

ttaggttaca acaatgcagt taccggtttt tccccttatg ggaagtattg gcgcgaaatt   240

agaaaaatgg ccatccttga gatcctctca agctataagc ttgaaaagct aaagcatgtg   300

agagacactg aaacattgtc tcttgtcaaa gacctgtgct catcaatatc atgtccaaag   360

aacgtgaatg gctcaacaac tcacggccta taagcaattt attggagcac atgtccttca   420

atataattgt gaggatgata gctgggaaga gatttggagg ggacacagtt aatcaagaag   480

acaatgaggc atggaagcta agatacgc   508

<210>   3249
<211>   499
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g01d1

<400>   3249

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catggacgta cacaaatagc atgttcatta ctcctctaca agtcacaatg tagaaaatga    120

actacataat gtcgaaatgc agaaattttc atgaaatgaa atgggggaag ggaactcata    180

ataaggcata cattttgtct caaataggat taagcaggct ttgcttccac gacggactca    240

ctaggtaagc ctttaccgt  gatggttata tgacaagtgc cttttttaat tggatgggca    300

cgccctcgag ctacaggttt tacccttttc attgttttcc cttcattaac ctctgcttta    360

ctgataacta aacttccttt gcttaaaccc agattattgc tagcattagc tccagccgaa    420

aacactattt tgagaatggc ttcacaggct cgataaggca tgagttctaa taccataagt    480

gtttcgtcat atttacgtc                                                 499
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<210>   3250
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g02a1

<400>   3250

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accaaaccac ccaaggcact taaaactccc caccagaaaa aaaaatgaat tattctcttg     60

ccctagccct aggcctaatc ctcatttctt gttctccttt gctagcaaac gctagaggcc    120

accatcatgc aggtggccat catctagggt tggtagggca aatctgcacg gaactcatcc    180

aaaaccagac gacttgcacg gaccttgtaa aggcagcaga tcctaaaatt gcacaggcaa    240

agacattcca agagcttgca caggcagtgc tagaatttgc cgtgaacaag ggaatagagg    300

gccaaacctt cctcaagggc ttggcactga ttgagcaatc accagccatt aaggaatgtg    360

caaacttttt ctatgatggg gtggttggat ccttccgtag tgccttacgt gagttgaaag    420

aagatgctca gaccgctagc tatgatgcca aagcggctta tgatggccct gacgggtgca    480

atagaacctt ggccgctgaa aatatcaata accctgctat tactgctctt aacagcgaaa    540

tagc                                                                 544
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<210>   3251
<211>   258
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g02d1
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<400>   3251

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gcaattattg cagtgatagt aagtagaggt tttagaccca caaatcgttt tctgatgaag   120

aaaagtagct aattctgaga cacagcagta gtatggccgt atctttgcat gactctttta   180

gtggctagag ctgcagcctc actagcacgc attgtcccac ttgccataat tgcagcaaac   240

tctttgagaa tctcatct   258

<210>   3252
<211>   499
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g03a1

<400>   3252

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ctcacaaagc agtatcgatg cgtacattca gctagctgtc aatgcaccaa gggtcattta   120

agtgaagatg tgatattctt ggtgtttcag catttgaatt ggaacccgaa gctaattgct   180

gctctgtcat gtgtgtgcaa atggtttgac gatctttcaa agcaagttct atggaaagaa   240

ttttgtaaaa cgagagctcc gaagatgatg cttgatctgc aatctagtgg aagccacagt   300

gttgatggga actggagggc tctggggaag cttcttatat tctgttcagg ttgcaggcaa   360

ggcagtttgt tcaataacgt tcaggttcct ggccattttg ttaacaagac tcgattttct   420

agaacatcaa gaaagagctt tctcatgcca caatgcataa atgatgtttt gtatgtgtct   480

gatccttgtg agcatattg   499

<210>   3253
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g03d1

<400>   3253

gaaaacaata cttgagacga ccttattctg attgtttcat gctacctgat gaccatgatg   60

caagctaggg ccatgacacg atggttgctt gttggaaaaa accgccctct gctgggaaca   120

ggagcccagg gcttatcata aattcgtaat aactacggca tatttacacg acattcattc   180

acgatcctgc ttgcttcaag ccatgcatat tacatcacta tcaaagaatg gaccaaatgt   240

tccaccacag atgccaccag ggacttgtta tcggcacttc tagcggagca attgtaacga   300

tttttgcctt gcatgccggt gagctcatta tgctggccca tcatgcgcat acttgagacc   360

cgattctcca aaaccaggtt ctggttgacg gtaaaggtgg tgacaatgcc cttattatgc   420

ggatcagtgt ccaagtc   437

<210>   3254
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g04a1

<400>   3254

ggagggcaaa gccaaagggg tttctttgtg ttgtgttact ccgccagcgg tagagatgag   60

ctcagccgat accttcaatg cgagttctgc tgagtctgtc aaagaacctg ttatagggtc   120

aagtctagaa gtaaaacagg atgatgctga aataaaagct caagttgatg ccatgtggga   180

acaaatgaat aaaggagtat ctaataagac cctcaacaaa tttacaagca agcctaattc   240

cacttccaag aaaactgcaa aaagtcatc ttctaactgg atgtcttatt tgggtttggc   300

accaacggca actgaatccc ttgggcaagg tgcttccaag aatggacctg gcgtgctgca   360

gagcagtact agtgatgaag tcaagaagct tgctgctgct gctcttgcag cagtgaaaga   420

tgatgctgcc atagctgcct caagcagggg gaaacttgtg attactgagg ttcgggactc   480

tgctggtcaa gatattgaag ttaaaaagct cgtagattct ga   522

<210>   3255
<211>   317
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g04d1

<400>   3255

ggaaaaaaaa aaaaatccct ttcaaaattg gggctttaaa caacaatttt cacgttccaa   60

aaattgggaa gcaaaacccc ccaagaacgt ttgcccccct ggggcacctt tgaaaccta   120

1297

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cttactcaaa aggctgttcc cccacccgga caaaaaccct tgggggggac ctttcaacgt   180

ccctccccaa atgtggggcc ccctcatcac aaattcccag cttcaaaaat tgcaatgccc   240

ctgcgaactt tgggaaatcc ccaatcaggg ggcaatcccc catggaaagc ttctgacagc   300

ctcccaagtt acccatt                                                  317
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<210>   3256
<211>   550
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054g05a1

<400>   3256

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gcttggagtt cccaacaact atcttattcc ttcactcact cctctctgcg cttggctatg    60

gaaaaaacgc acagctccag cgcagaggag caggatccga cccggcgcca cctggatccc   120

ccacccgggt taactgctga agagttcgag gacctcaaac cctccgtgct ggagcaccac   180

acctactccg tcacacccac ccgccaaagc tcctccctcc tcgcgcagcg catccacgcg   240

ccaccacacg cggtgtggtc cgtcgtgcgc tgcttcgaca acccacaggc ctacaagcac   300

ttcatcaaga gctgccacgt caaggagggc ttccagctcg ccgtggggtc cacccgcgat   360

gtccacgtca tctcagggct accggctgcc accagcaccg agcgcctcga cctgctcgac   420

gacgacagac acgtcatcgg cttcaccatc gtcggnggcg accacaggct catgaactat   480

ccgtcagtca cctcggtgca cgggttcgag tgcgacagaa agatctggac cgttgttctg   540

gaatcgtacg                                                          550
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<210>   3257
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g05d1

<400>   3257

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ctgggctatg cgctgatccg gaattaattc ccggatctac ctactcggta ggtcgccctt    60

cgttcttttt tttttttttt tttttttttt tttttttttt tttttttta acagaaaatg   120
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aaacaattta taaaaggacc tggttacagc gaactttgct actgaacaaa gctgttatac    180

tagtagcatc tggcataact caaagccagg caagacactg acttatgtca tagactttcc    240

tataacaacc agctcagcca gtctactaac tactattcaa accgacattt ttttaaagag    300

gctctccctt attattggag cattgataac cacaactacc atttaaccta ttggctactc    360

agctttggct tgttcggatt cgagccaact caagcactca taaacctgt                 409


<210>      3258
<211>      490
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054g06a1

<400>      3258

gcttggagtt cccaacaact atcttattcc ttcactcact cctctctgcg cttggctatg     60

gaaaaaacgc acagctccag cgcagaggag caggatccga cccggcgcca cctggatccc    120

ccacccgggt taactgctga agagttcgag gacctcaaac cctccgtgct ggagcaccac    180

acctacttcg tcacacccac ccgccaaagc ttctccctcc tcgcgcagcg catccacgcg    240

ccaccacacg cggtgtggtc cgtcgtgcgc tgcttcgaca acccacaggc ctacaagcac    300

ttcatcaaga gctgccacgt caaggagggc ttccagctcg ccgtggggtc cacccgcgat    360

gtccacgtca tctcatggct accggctgcc accagcaccg agcgcctcga cctgctcgac    420

gacgacagac acgtcatctg cttcaccatc gtcggggggcg accacaggct caagaactac    480

cggtcagtca                                                           490


<210>      3259
<211>      489
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054g06d1

<400>      3259

aaagttaaca aattgttatt atagaagtca cttaataatt aataataaca aattgttatt     60

aataatacac cacaaccaaa aagatcggaa ttgaaattta tgaactcaag aaggtgtgtc    120

gtatccccccc tctcaagtaa ttattcatat cacacactgt tagagctgca gcatgcagct    180
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ctaattttat tattaattag tatacgtagc gcagaacacg atatttaata catgaagttg 240

atcatacata aattaatcag tagttcctcg ttgaggcatc gaaattacca ccaataaagc 300

ctccattgcc atgtccctgg aaattgccac tattatttat agcaggacca ccaccgtagt 360

tgttggtggc gtgatgagtg ttaccatcac cagaatatgc accactgttg gtcttagtgc 420

cagtgatgtt ctgaaaccca tcgccatggt tggtgtatgt gttcacttta cctttgggat 480

ttttgggct 489

<210>   3260
<211>   484
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054g07a1

<400>   3260

gatcgagata actagaaaca gtgtgatgaa aatgaaggtc cttgttttct tcgttgctac 60

aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120

ctatggtgcc cgtactccgg aggtgaaatg cgcaagttgg aggcttgctg tggaagcaca 180

caacatcttt ggctttgaga ccattcctga agagtgcgtt gaagcaacaa aggaatacat 240

ccatggcgaa caatatagat cagactccaa aacagttaac caacaagctt acttttatgc 300

cagagacctc gaagtccatc ccaaggacac atttgtgttc agtatagatg gcaccgtact 360

ctctaatatt ccatactaca aaaaacatgg atatggggtg gagaaattta actcgacctt 420

gtatgatgaa tgggttaaca agggcaatgc accggcactg cccgagactc ttaagaatta 480

caac 484

<210>   3261
<211>   472
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054g07d1

<400>   3261

cccaaaagtc agacatatat atcctatata acattggtcc tatattgcta gaccatatat 60

taacggatcc gttaacttaa tgaattccag aaaatttgat acgaacaaat gttgaaatgc 120

ctatgcatac attttttaaga aactataatg ctgtgtagcc aattagattc aggatcgggt 180

ctaattgcgt gctctatgac aatatcattg agtagctcat gctgatctta tcagtggttt 240

gatatgaagg agctatcata ttcttccttg atcagcctgt ggtgcaatgt atctagggcc 300

attagtgatt cacacaggcc taaggaatac ccccaaatgg tatgatcctg gaccttcaac 360

ttcgcgaggc agattcctca gattggagga tacatattat cagtctcaac ttgactgtga 420

atagcactat cagttatgct atcataggtc tggagatatg cctcatcacc ct 472

<210>   3262
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g08a1

<400>   3262

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ggcttcaaaa agagctcaag taggtttctt ggaagccact cttgaagcct actactacga 120

ccctttatat atatccacca caaacgacac gtcttacata aactccatca cattgaagcc 180

accacttgat ggtttcattt tcataaattc tcaaatttct ctcagcagct tctttgtact 240

cttccttggc tgagcttctt ttattttaat tttctctcta agtacaccca cccagtttgt 300

gctatatact tgtattttct ctatattatt acactgatct tgaagaagca tggcagagaa 360

aaccaagaac aaggtggagg ttcaattggg ttgcggtttg atgggaagaa ttttccatct 420

caaaaccaat aacaggacta gaaaatcctc tgttcattca ctacccgtga aggtttgcaa 480

caacactgca cagcaacaga gggatc 506

<210>   3263
<211>   400
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g08d1

<400>   3263

aacgcacatg tacgtaacac ttaaaaatac atacacaaat taacatgggc atgtctgttg 60

agatggacgt caccacaaat atagtaaaca taaattaaat aaacatagtg acgaggatat 120

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acagattatt ccaatccacc atgtataagc aaattaatta agaacacaat taaatgaagc    180

atgtctctcg tagctcaaat agcttggcca gaattacagg tttgaggagc tcctgaaaga    240

ccctagagcc tttgctgctt gggcccttaa cacggactgg tggtagaatg cagcatgagc    300

agcaccgatg aagggtccaa cccagaagat ccactggtca tcccaagcct tctcgttggt    360

gaatatgaca gcaggcccaa ggcttctagc tgggttgatg                          400
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<210>   3264
<211>   547
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054g09a1

<400>   3264

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cacaacacaa caccacctcc tatcacataa taacaacctt aaccttaacc ttaaaccccc    120

caattttcat gtctcggatc ccgtgattcg datccccaac aaaaaaagaa acctcgtatt    180

tgttattttc gtcggatccg gttgggaacg ctcatgacgc ggcgttgctc gcattgcagc    240

cacaatgggc acaactccag aacctgccct aaccgcgggg ttaagctctt cggggtccga    300

ttaaccgacg ggtcgatccg gaagagcgcc agcatgggca acctaaccca ctacgctggt    360

tccgggtcgg ccccgctcca tgtcgggttg ataacccgg gttcacccgg ggagacgccc    420

gatcacgccg tcgtcgtcgt cgacggctac gcctncgagg acttcgttcc cgggtcttct    480

tctagctccc gtgaaagaaa gaaggggttc catggactga ggaggaacat agaatgtttt    540

tgctcgg                                                              547
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<210>   3265
<211>   368
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g09d1

<400>   3265

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taggtcggcg gtcgcccttt ttttttgttt tttttttttt tttttttttgt tttttttaggg     60

ggaacccact tttaaagtag gtatcaactt gtgaccctga ttctgagaaa ctacaccgca    120
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actcattttg acgccatact agtctaatat ttatgaccat aaggatgggg cactttagtg 180

gagacgatac atcacgaagt gttattacca atattaataa tgctactaat attctagagg 240

gtaattttcg ggtgcctgac cacacaaatg tacgttcaga ccttgaagga tcatcaattc 300

ggggaggtgc ttatgctgta aggtgtgggg actcgagatt tgacgaggag ctaggacgca 360

ttgttggg 368

<210>   3266
<211>   571
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g10a1

<400>   3266

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gttaaccgtg ttgacaacat ggttattcaa gctatcttcc ttcttgatac acttgacaag 180

gatgttaatt cgttctccat gagagtcaga gtggtattca tggcactttc ctgagctggt 240

gaaaattgta aatgataatt atctgtatgc caaagttgca aaatttattg aggataaggc 300

aaagttggct gaagacaaga ttccagcctt aactgacata gttggagatg aagataaagc 360

aaaggagatt gtggaagctg ccaaagcctc catgggacag gatttgtccc cagtggactt 420

gatcaacgtc catcaatttg cacagagggt aatggaccta tctgagtaca gaaaaaactt 480

gtatgattac ctggttgcta aaatgaatga tattgcacca aatttggcct ctttaattgg 540

tgaaagtgtg gtgctcgttt gatttccatg c 571

<210>   3267
<211>   521
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g10d1

<400>   3267

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tcattttctt ttgtagaaaa aagcattatc cttgcttacg gtaaaatcat cgagggaaca 120

agccctaata ttggaatccc aactcatgcc tgaccattta ctagaaacca gtaataatct 180

ccaatcatag ctcgaaaaag tcattctgga agatgcacaa aaattgtaaa actataatag 240

tcctcccttc catataactg cattagttca gcttggaaaa gttgagcatg tccaaagagc 300

aagactccaa tccttcctta cacaatttca ttgttggcag tggaccagct tggagaattc 360

gggcagaata caagtcctag aacagtgaca aaaatatagg aggcatccct tatgcataaa 420

atgacgcata aatgattaca tggggcttat gtctatccgg cctttgtgga gttgaaaagc 480

tggagtgatc cagcttccac agctgcattt gatgcctgac c   521

<210>   3268
<211>   472
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g11a1

<400>   3268

cagaaaaatt actattagag agatacaaaa ttgttcagag aactcatcca gtctcaagaa   60

gcaaaattca taataatttt ttggatagac tatagagagg acacgaccca caagcttaag 120

acctaggctt ctccttcttc tccttgaaaa gggccaggag agacacacca gaaaccttca 180

cgaccttgaa cctgactcca ggaatatcac ccacggcatg accttttcgt ccaaatccag 240

ctatcaagac ttcatcattc tcttcaatat aatttaagca accgtcattt ggcacaaatg 300

cagcaatctt cttcccattt ttgatgagtt gaaccctggc acattttcga atggcagagt 360

tgggctgctt agcctcaata ccaatctttt caagaacaat acccttggca tgggatgaac 420

cagcaaaagg cttcttccat tcatttccca gatgagactt tctgtatgac tt   472

<210>   3269
<211>   353
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054g12a1

<400>   3269

gcaaaatgct attcgttggt gctggtgacc tatacacact cagacgatta atgagtttct   60

agttacaata attacttacg taagagtaat ccgacatgtg atttctgcag aatgataatg 120

1304

attcttttgt acttggaggc aatggcaatt tttagacgtg ggaagcatgt attgtaccaa   180

cctttcttca ggttttctgt gacaaaagtt aattgttatt gccagaatga gtcccaattt   240

tgcttgaggt aaatatattc ggattggtat gtcagtcaag tgaggcggtt ctttatgact   300

atagctcggt attcaactgt ttttctttta aagtagattg tacttcacag ttt   353

<210>   3270
<211>   520
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h01a1

<400>   3270

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atatcttctc tggatatgtt gattttaaga catgcaggaa gttcctcata atttggaatt   120

tggaggcagt cattgattga ctgggtgaga cttgtaaata tggtatacaa ttttttctgt   180

atactatttg gagggtgcag acgacgactt gaattataca atgcaacttt aactgcctta   240

ggctcaaaag tggcctttat gtcctcaaaa agatattta ggttgattat tttggactga   300

aattctaaat tgggctagtc ttgtatgttg tacatacatt atattgcaca aactttttaa   360

gatgtcactc taaacagaac taaccactac ttaagatctt acgactaaat ttaaaaaata   420

gttagaaact gtatcattct gccaaggcca tctagttaag tgtctcggct cagtatatca   480

tgtgaatata ttaattgaga aagttgcatt ttggtattta   520

<210>   3271
<211>   506
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h01d1

<400>   3271

gtagaagtag aattgttgat tcgtaattat atacaaagct atgataccgt tgttgcaaaa   60

tccctaggat gaaaaaacag tagataatac aacatactct gacaagttta aaaaattaaa   120

agacctgcca cttatatatc tcaaacaaaa atatttttat ctcaagagaa tgtatcctct   180

cgatctccct cagcagttat ctccacttcc tccatattgc tgaactctaa gaaatgggtt   240

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ggtctatggt cctcgtggta atattcccta ggagtcccaa gcttcactcc atatttcatc  300

cctgatgcgt gtctcacccc catgaagttg taattccatg gaccattatc aggaaccatg  360

tagaaaccaa ggaagcgatc actaaggagc atctgaacct tctcataatg ggtgggaagg  420

taaccatgtg gattgcttcc cgtatcctta ttaacacgcc cccattcata accagatgga  480

gtgagcttat atgcagttaa agaaca                                       506


<210>      3272
<211>      477
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054h02a1

<400>      3272

tttgctaata agacatatct tccaaatgaa actccaactc cactagtgaa gtacagaaaa   60

gaagaattgg aaaatctaag aggagatgga aaaggagagc gcaaggaata tgataggatc  120

tatgattatg atgtctataa tgatttgggt aacccagaca agagcaatga tctagctcgt  180

cctgttcttg gagggtctag tgcctatcca tatcctcgca ggggaagaac tggtagaaaa  240

ccaacaacaa aagactctaa gagtgagtca ccatccagca gcacctacat cccaagagat  300

gagaactttg gtcacttgaa gtcatcagat ttccttacat atggaataaa atccatagct  360

caaaccgttt tacctacatt tcaatctgca tttggtttaa atgccgagtt tgataggttt  420

gacgacgtgc gtggactctc tgaaggtgga attcatctcc ctacagatgc actcagt     477


<210>      3273
<211>      537
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054h02d1

<400>      3273

ttcgttcttt ttttttttca atccaaaatc atttcatatt caggacttaa attaaatcga   60

atatttaaac agttcttaca tggacgtaca ccaatagcat gttcattact cctctacaag  120

tcacaatgta gaaaatgaac tacataatgt cgaaatgcag aaactttcat gacatgaaat  180

ggggggaaggg aactcataat taggcataca ttttgtctca aataggatta agcaggcttt  240
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gcttccacga cggactaact aggtaagcct tttaccgaga tggctatatg acaagtgcgc  300

tttttaattg gatgggcacg ccctctagct acaggtttta ccctattcat tgttttccct  360

tcattaacct ctgctttact gataactaaa cttcctttgc ttaaacccag attattgcta  420

gcattagctc cagccgaaaa cactattttg agaatggctt ctcaggctcg ataaggcatg  480

agttctaata ccataagcgt ttcgtcatat ttacgtccac gactctgatc gatcact      537
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<210>   3274
<211>   569
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054h03a1

<400>   3274

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aggtgtttct ccatctttga tcgctggtgc aaatatcaag ggcttcacta caatttcagt  120

tctacctcct cctcccccga gctattttct gggttacact cttccttctg gtcatccctg  180

taatactttc acacttcctc ctccaccggc agataaaaag cgaactgggc cacgaccatg  240

cccagtatgt taccttcccg tggatgaagc cattgcactt atgccaaagt ttccgtcacc  300

ttctccagta cttaagaact tagcatttat ctatgaggaa actcttagca gggatggtga  360

atttggtggc tcggactttg gtggatatcc tactctgagg cagagaaatg aatcttttga  420

tatacgagag tcaatgagtg tgcactgtgg atttgttaga ggaactaaac ctggccgcaa  480

cacaggattt gacatggatg aagatgacct ccttgaaatg gagcagtgtc acggcgtagt  540

tgttgcatca accatatttg gaaatttga                                    569
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<210>   3275
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220054h03d1

<400>   3275

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tatctatcta tatctatcta cctatatcta tatagatata ggtagataga tatagatgtt  120
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tactaagtag attatattga gccgcaatat atgtgcggca agctaaacga aaaggactat   180

tttgtagaaa actggtcaat gatggccttc catggattca cctatataag ccgcagctaa   240

agtagcaaaa atgagagctt gaataccgct tgtgaataat ccaaggaaca tgacaggtat   300

aggaactact aaaggtacta aagaaacaag aacaacaact actaattcat cagctaatat   360

atttccgaaa agtcgaaaac taagagataa gggtttgtg aaatcttcta agatgttaat   420

cggtaaaagg attggggttg gttggatgta tttattaaaa taagctaatc cttttttga   480

aagacccgca tagaaatatg caattgatgt agtaaagcta aagcaacggt agtatttata   540

tcat   544

<210>   3276
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h04a1

<400>   3276

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aggtgtttct ccatctttga tcgctggtgc aaatatcaag ggcttcacta caatttcagt   120

tctacctcct cctcccccga gctatttttt ggggttccac tctttccttc tggtcatccc   180

tgtaatactt tcacacttcc tcctccaccg gcagataaaa agcgaactgg gccacgacca   240

tgcccagtat gttaccttcc cgtggatgaa gccattgcac ttatgccaaa gtttccgtca   300

ccttctccag tacttaagaa cttagcattt atctatgagg aaactcttag cagggatggt   360

gaatttggtg gttcggactt tggtggatat cctactttga ggcagagaaa tgaatctttt   420

gatatacgag agtcaatgag tgtgcactgt ggatttgtta gaggaactaa accttgccgc   480

aacacaggat ttgacatgga tgaagatgac cctccttgaa atgagcagtg tca   533

<210>   3277
<211>   570
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h04d1

<400>   3277

aaatcttaaa acaactcaaa ctaattaact tcattcttcc aatcacggaa tactcaatgg   60

atcacaaacg tcaaggaact tagtgcatta tgaagcacaa tttatcaact gtatagtatg   120

caaagaaaca agatgccgtc aactatatat tgtaaaacga aaattctaac cattttgaaa   180

aggaaaaata tcatattata aggctccact gttgtcacct gttggcattc cccatcaact   240

gctttcttcc acaatgtcac attgatgttc ccatcatcca cagccaatat gtttcctgtc   300

aatgaccatg agacccttca aacaggggtg ttgaaatcat tcaaaacctt gccttaccac   360

tgatcccct atttcgccac ggtccatata atcactttac cgtcctgtga tgcgctagca   420

atggtagatt tagggagccc tatattgggt gcccaagcaa catctcgaac ccaatccgtg   480

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ttcacagtat tatcacaacc accagagcac   570

<210>   3278
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h05a1

<400>   3278

caattattgg gagttgtgtg ttgatgggtt gatccacaga tcgttacaag attcatccaa   60

gtgaagtaac aacaacctat tttactccaa aaaaacccga tggcgacata ctttcatcat   120

ggtaactccg aaatccaatc gggtggcgcc gacggactcc aaactcttgt cctcatgaac   180

cccggctata tccactactc cgacgcgccg ccgccgcagc agcaaacctc acaaaccgcc   240

ggaaacctcg tgtttctcaa ccccgccgcg gttgctggag gaaataataa ctcgtttaac   300

ccccacgcgc cgtcatctca cacccaacaa ttcgttggaa tccctctccc aaattcccaa   360

gacctcaacc accactccat gcacgcgcac cacgatgtct cagccctgca tggcttcctg   420

ccgcgcatgc agtacaatcc ctggaacgcg ctcgaccccg ccttggcggc gcgtgaa   477

<210>   3279
<211>   536
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<223>   Clone ID: jC-gmfl02220054h05d1

<400>   3279

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ttctttattt ttaggaactt atccattcct tttttaatgt gcccgacaat ccgaaagaat   180

tctgggggag gggtcatttc gtttttgatc tagaataaat agagcttcaa gaaatgagag   240

aattaagaat acccacgaga aacactaatc caatccataa tgatgtaccg gaaaatacaa   300

catttttgtt attcgaccaa ccttcaggag aagcaaatac aacaggtaca ctaatcaata   360

aaataaatga aatagcaatt aatgcaaaaa cagctaattg gaaagcaata gtcatgtttc   420

taatcctcca atttaccaac aaaagaactt taccatttga tcccccaacc ccttgatccc   480

tttatctgac aanaaattta tataaaaaaa cgccagaggg ttctatcatg aattca   536

<210>   3280
<211>   279
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h06a1

<400>   3280

aggaaacact taaactacac tactacaata ccaccaaaga gtattgcaat atttatctag   60

gcgggatcta tagtcgttca tgatgattat tataccgacg aagatgatca taaatactaa   120

tagctagagg atcaagaatc tggttacgta gaatctatgg aaataccgtg cttaatcaca   180

tcacaggatt ctccctgttt ggagacggag actatacatt ttctatttgt atgaacagag   240

ccattggttt tgctcacaac ctagtggcta tttctatgg   279

<210>   3281
<211>   461
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h06d1

<400>   3281

gtgattgtgt aaaattttat tcgattaatg gcttaataat ttatcagtca cagtgacatt   60

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ataatgcgct gtgatttaga agaacttcca aaacaatatc taaaacactg attaacaaga    120

aaaaaacata caaaagcaac ctaaaacaca tcaaatctaa actatacccg ttaaccactg    180

attattcatg agtcagataa agctgcccaa tcaatctcca cggaagggta cttctccaag    240

tccaacccaa gattgtccat tgtttcacaa gaatccgaga aatccaagag ggtaatatcg    300

gattcaggtg aagaagaaga agaagaagaa gaatattcat cggagaaggc cgaggacgat    360

gatgtttggt aattctcaac cttattaaaa tcctgaaact ccgatgtctc tgtctctgcc    420

ttgtgtgtat ctagaacata gggtttttgag ttttgagttt c                       461
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<210>   3282
<211>   450
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h07a1

<400>   3282

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gttttagaaa gacgcaggtt gaattaatta gtatcatggc agctttgatg gatttttaca     60

gcagcagccc agagtttcaa cttcactcag atccattcag gggagaacta atggaagttc    120

ttgaaccttt tatgaaaagt ccttctccca actattttcc ttcctccccc tccctcccta    180

atctttactc aaacgggtta tccagcaaca cccaaagctt aattggcttc gggcaagcgc    240

aacccacatc tcttgtgggc ctgaaccacc taaccccatc tcagatctct cagatccaag    300

cccaaatcca gatccaggcc cagcagcatc agaatcgcag caacaccctg agcttccttg    360

ggccgaagcc catccccatg aagcacgcgg gcatgcctcc gaagcccacg aagctttaca    420

gaggggtgag acagaggcac tggggaaagt                                      450
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<210>   3283
<211>   349
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h07d1

<400>   3283

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ggttccaaat cacacggtgc agtaaccatt attaggaaat aattgagaaa cacatgaagg     60

accaaagtct actacataac caaacttgac cccaaagatg cttatctaaa gccccacact    120
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atgttgcgct atcctccaat tcatctgatc tataatcccc aataaccctt ttccttcacc   180

tgtttaatta cactcaatat atcagcaaag attcaaaatc ttgtatttca cacactacaa   240

gatccaacct ttagatcaat gactacttgg aggggggtatg aaatattcag tgaagaatct   300

ggcactactg aactttatca tgaggggttc aagaggagca ctaggttgg              349


<210>     3284
<211>     541
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220054h08a1

<400>     3284

tgcaggcagt gtcatctctc ctttgacgac aagatgagca tcccaattcc ccatcggcag    60

ttattcatag acggagactg gaaagtcccc gtcctcaaga atcggattcc catcatcaac   120

ccttccaccc aacacatcat tgggggatatc ccagcagcta ctaaggaaga cgttgatctc   180

gctgtcgctg ccgccaaagc tgccctctcc cgcaacaagg cgccgattg ggcctccgct    240

tccggctccg ttcgggctcg ctacctccgc gccatcgctg ccaagatcac cgagaaaaag   300

cctgaactag caaaactcga agctattgac tgtggaaaac cgctcgatga agccgcctgg   360

gacatcgacg atgttgctgg ttgctttgag ttctatgctg accttgctga aaaattggac   420

gcacagcana aggctcatgt gtctcttccc atggacacat tcaagagtta tgttcttaag   480

gagccgattg gagtcgttgc tttaataact ncttggnatt atcctctgtt gatggctacg   540

t                                                                  541


<210>     3285
<211>     528
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220054h08d1

<400>     3285

tgccttgtct gattatctcc gggtcgccga gctccatgct cactgtcggc ggtcgccctt    60

tttttttttt tttccatctt cacattatat aacacgtatt tggcccccat aaccatagtg   120

attaagaagc ccttcatctt gtcgccaatt tgctctaacc ttcacttcaa tctcaagata   180
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aactttcttc tgtaaaaaat cttcaacatc aaggcgggca gctgttgcaa gcagtttcaa 240

agcctttcct tctcttccaa taaggataat cttctgagtg tgtttctcaa ccaaaatctc 300

tacttgtatg tattcttttg catttggccg agctttatag tttacaacat ttacctgaca 360

tgcatatgga atttcatttc gatactgcat aaaaatcttt tctctaacaa tttcagctac 420

aaaaaatctc tctggatgct cactgacaat atcctttgga taataagctg gtccattggg 480

aaagcttgac agtatccagt ccttgacatc ttcacacccc tgaccata 528

<210>   3286
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054h09a1

<400>   3286

aacaaaacaa gcactcaaag tgcttcgagt tcgtcactga tcacgtttcg gcaatgcacc   60

gcgtgggtag cgcgagtaac ggaaacaatt caactcgctc tcgcaaggag aagagaataa   120

cctacgtgtt gaatgattct gacgacacaa agcattgtgc aggcataaat tgtctggctc   180

tacttacatc tgctgcatct gatgggtctg attatctctt cactgggagc cgtgatggca   240

ggttaaaacg atgggcacta gctgtggata gagcaacatg ctcggctacc tttgaatctc   300

atgttgattg ggttaatgat gctgttgttg taggtgatag tacacttgtt tcttgttctt   360

cagatacaac ccttaagaca tggaatgcct tgtcctttgg aacctgtact aggacactcc   420

gacaacactc tgactatgtt acttgccttg cagcagcagg aaaaaatagc aatattgttg   480

cctctggtgg ccctggcggg gaggntttta tatgggatat cg   522

<210>   3287
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h09d1

<400>   3287

aacaaacaac tggcacattc ttgcactact tgggaattac aacatattat gttagcacat   60

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tacagcatat tgcgctatag catattacaa tgtcatagtt gctaatcagc agcttcacta    120

gaaaaatatc ctaacaacat cagtttaata tggttatata taagcctggc ttatttttct    180

tccaatacaa taccgatgaa cttagtagga taattttatg tctcgactca gttaaaatta    240

caaactatta ggccactttg aattgattag acaggcaata ctattgtacc tgtgaattgt    300

gggactattc ggaggtttta atccaaagat agagaaatct acagacattg gagctgattc    360

attcttgcca gtattatcat ctagatggct gtctgaacat accaaaactg gcattaacct    420

t                                                                     421


<210>      3288
<211>      519
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054h10a1

<400>      3288

aacaaaacaa gcactcaaag tgcttcgagt tcgtcactga tcacgtttcg gcaatgcacc     60

gcgtgggtag cgcgagtaac ggaaacaatt caactcgctc tcgcaaggag aagagaataa    120

cctacgtgtt gaatgattct gacgacacaa agcattgtgc aggcataaat tgtctggctc    180

tacttacatc tgctgcatct gatgggtctg attatctctt cactgggagc cgtgatggca    240

ggttaaaacg atgggcacta gctgtggata gagcaacatg ctcggctacc tttgaatctc    300

atgttgattg ggttaatgat gctgttgttg taggtgatag tacacttgtt tcttgttctt    360

cagatacaac ccttaagaca tggaatgcct tgtcctttgg aacctgtact aagacactcc    420

gtacacactc tgactatgtt acttgccttg cagcagcagg aaaaaatagc aatattgttg    480

cctctggtgg cccttgcggg gagggtttta tatgggata                           519


<210>      3289
<211>      509
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220054h10d1

<400>      3289

actatattga gattgaagtt tcaattcaaa ataacataa ccactcttct ctcctttgaa     60
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ccaatagaag gggaaaacag tggtgattaa catcctagac agcagaggta tagctggcat   120

ggggcgaaga aaagaaatat cataatccat gaaaatacag gttcaaccgg cacatctgaa   180

ttgacattct ttattttaaa atacatgccc aactacagtg ctgtaaaact gtagatgtgt   240

gtccctggat gactgaacta taccaaactg ttccattgta gtcattatca agaaacaaaa   300

agtaaggctt cttattgggc acagtgagca tagccacatg ccaactcgtg cagcatgtgt   360

tgatattaga gataacagtg tgagctctcc aacttacagg aaacaaaagc agccattctc   420

tggaaaatcg cacattaaga cactataaaa gaaggaataa aaactaagcc ctgggaacct   480

tgtctagcaa aacattatct gaagattta                                     509
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<210>   3290
<211>   594
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220054h11a1

<400>   3290

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gaaaacataa gggaacttcg tttgactggc ctttacataa aagaattgcc attttcattt    60

caaaatctta ctggactccg tctgttagcc ttgagtggct gtggaattgt tcagttacca   120

tgtagcttag ccatgatgcc cgaactgtct tcattctaca ctgattattg caacaggtgg   180

caatggatag aattggaaga aggtgaagaa aaattgggct caataatatc ttcaaaggca   240

caattgtttt gtgccacgaa ttgcaatcta tgtgatgatt ttttcttagc aggtttcaag   300

aggtttgctc atgtaggata tttaaatcta tcggggaata atttcacaat ccttcctgaa   360

ttcttcaaag aactgcaatt tttaagaact cttgacgtga gtgattgcga gcatcttcag   420

gaaattagag ggctttcacc aatcttagag tattttgatg caagaaactg tgtatccttt   480

ccttcctcga gtacaagcat gctcttaaat caagtattgt cttattttat ctaatggata   540

tgatttgatg atgatgctgc acttaatgct gtaaacttat gaatatgact aata          594
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<210>   3291
<211>   541
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220054h12a1
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<400>      3291

gaaaacgttg gtcggagaac attaccggaa agagaatctt tgttgattcc agaaatgtct      60

agcatcgctt cctcacacca aagcttcctc accaacgccc ttattccact aacgcacaac     120

ccaaagttca ggaccactgt tactttccct tcttcactca aaactgtctc ttgcagttcc     180

ccacaacatg aacagcaaca atctccaagg aagaagaatg agaacaagtt agcaaagttg     240

gcaatagttg cacttgctgc tggtgtgtta acacttgggt cagttcatga tgcatcagcc     300

gccaagactg gtggtagaat cggggggccag gccttcaagt cagcagctcc gcgctcctca     360

ccaagaatca acaattccag aaccaatatc tatattaatc ctcgagtggc acctccgcta     420

gttggtggct atggctatgg ttatggtgtg ccattttacg gtggctggng atggtctcca     480

ttttcattct ttgcaccaag tcccagtgta gctgtaagcg ttggaagtgg attcgacact     540

a                                                                     541


<210>      3292
<211>      518
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220055a01a1

<400>      3292

atcttcttac tctttcgttt gtctctcttc tttccctttc ccctctcttt cgagggtttt      60

tcttttttctt tttttcccccc tttttttattt ttcctttttt ttttttactt tctcttgttt     120

ttcagttttg cttccatttc ctttgaatcc ccatttcttg ttcctctgca actctaaccc     180

tagaattgaa gatgcaacca cagaggttaa ggcagcatgc catgttgcaa ccatctctct     240

accaccaccc cgctctcctt actcctcctc agatagagcc tatcttgagt ggaaatctgc     300

cacctggctt tgattcgagt tcatgccgca gtgtttatgt tggcaacatt catccccagg     360

ttacagattc ccttcttcaa gagctttttt caactgcagg cgcccttgaa ggatgtaaac     420

ttattaggaa agagaagtca tcctatggct ttgtggacta ctttgatcgc agttctgctg     480

catttgccat tgtaactctc aatgggagga atattttt                             518


<210>      3293
<211>      497

<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220055a01d1

<400>    3293

gttcttgaat tagaataatt tcacctcgat aactttcaaa atcctttaat gcaaattacc    60

gaaataaaac tctagttcta gtacaaacaa cacctagcta taataattag gggttgatac   120

catagagctt tcgaatcccg tctatatcat cttgcgctag attcaccttc ctagttcgag   180

gtggtataga aggatacatg atggctctta ggtccgacga gtggcctaat ccgagcaagt   240

gcccgatctc gtgcactgcc acagattcaa ggtcaaacgc acttgtcacc ggcgatttgg   300

tgacatcgcc agacgccacc caatattcgt cggcgtcaaa gtggcacctc ccatcagtgg   360

gagcgaatgc atggcccaat atcccacctg gaccatcaaa aggatacgga tcaccgtggt   420

tcttactcgc gaaaagaatc ttaatgttgg ctgtttcata cgacgtcgtc tcctggaacg   480

cgatgttcac cactggg                                                  497


<210>    3294
<211>    537
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220055a02a1

<400>    3294

actagttgtg ctattgccgc tgtcccgtgc aattcgaagg gaatgaagaa caagggttta    60

gaattagggt cttaaaacaa ctgaaccaac tttgtgggta aaattaggga ttcaggtgta   120

aagtgaaaaa ctagggtctt ggtaaatctc caaaatgtcg acgggcaaac ccagaggcgg   180

tgattttcag atggtcccgg cgccgggaac gtcaaagcct cccccttccga cggcagcagc   240

atcgaatgcg atagtggaat atactccggt ctctctcaaa gaggaagagg aggatctgga   300

agtcaagctc cgacggatta tcgacaatgt tcctgtccgt gttagcaata ctttcggtag   360

ttccgtcgga tcaggctccg gcgacttgca ccagtatcgg caaatgagac gcatggaaca   420

agatcgtctt gtcaggatgg aagtcgacta ccagaaaagg aaagagctgg cagaatttaa   480

tttgagaaga gaggatagac taaaagctgc tgatgaacgg actgcaaaga tgcgagc      537


1317

<210> 3295
<211> 571
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220055a03a1

<400> 3295

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aaactggttc ttcttttcgc gttgcgtttt cttggtgtct ctgtcgattc ttcttctgaa    60

ttttaatact taggaagttt agttttctct cttggcttct ccggttggag tttccggcga   120

ccttgtcgga gattttgttg tttatttttc acaccacttg tgaaacttct caagaaaaag   180

aaaaaggatg tttcttgttg attggttcta tggaattttg gcgacccttg gcctgtggca   240

aaaggaggcg aagattttga tcctagggtt agataattct gggaagacca ctttgcttca   300

catgctcaaa gacgagagac ttgttcagca tcaacctact caatatccca cttcggagga   360

gttgagtatt gggaagataa agtttaaggc tttcgacttg ggtggtcacc agattgctcg   420

tagggtctgg aaggactatt acgctcaggt ggatgctgta gtgtacctgg ttgatgcant   480

ttgacaggaa aggttttcag aatcaaagaa ggagtnggat gctcttctct ctgacgagtc   540

actagcaatg tgccttttct catcttggga a                                  571
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<210> 3296
<211> 324
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055a04a1

<400> 3296

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ctcgagccga atcggctcga gcgcacccaa aggtgacggg gaacaaaatt aaacatacca    60

tactctctgc ttattagtca ttgaacttcc cttctgtaat gttttcaaag ggagaaggtg   120

ttgaatgcta atctcaatgt tactgagatt ttgggcattc gtgttcttcg ttatgaattg   180

tggatgtact gggctatttt agtttgtcct tccatttata cgcgtttctg aactgcctat   240

tttcttaatg acactgaaat ctccattatg atgctgttta gaatattacc aagatgttgc   300

tctctttaaa aaaaacctct tcac                                          324
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<210> 3297

<211> 540
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220055a05a1

<400> 3297

cacaaaactt gctatagcag taagctataa ctcatttgag gctctgtgag aattgagaaa   60

tggctaaaga tgttgaggtt caagagcaag gaggagagta ctctgccaaa gactaccatg   120

accctcctcc agcacctttg ttcgacccag aggagctcac acagtggtcc ttctatagag   180

ccctcatcgc tgagttcata gcaacccttc tcttccttta tgtcactgtg ctcaccatta   240

ttggctacaa aaggcagact gatacaacgg taggtggcac cgactgtgat ggggttggca   300

ttntgggcat cgcttgggcc tttggtggca tgatcttcat ccttgtttac tgcaccgncg   360

gtatttcaag aggacacata aacccggcgg tgacattcgg gttgttccta ggacgcaagg   420

tgtncgtgat aagggcgttg ttgtacatgg tggcacagtg tgccggtgct atctgtggta   480

ctgggatggc caaggggttc caaaagcata cttacacagg tatggaggtg tgccactctg   540

<210> 3298
<211> 617
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055a07a1

<400> 3298

acgcagtctc ctatcatact aatcatacat actcgacctc accatgattc aatctatcta   60

aattcataat ttctaatatt actatataca ataccttatc aaatatagca ttcacgagtc   120

gcgtggccat acaatatcta atactcacca aggacacgct cgaagctcgt aaacgagaga   180

cgagctcgca atagtattac cattaaaccc atacacgtat aatagaatga gtggatacag   240

aaatgaaaaa tcattctgct atatttcaca cccataacat ggtcacattg aatagtgggt   300

gtgatcaccc ctgctgacat cgaaatagac tagtgcatgg ctcactactt gttctcgtgc   360

aaactagagg atcgtacact cacatcgacg tgcttaatgc tacatctcat atacatcaca   420

caggtctaca atagaaatgc ccagacgcag agaaccaccc tcttcttcta gtgcacagga   480

tctctgattg tggatttcaa tgcacagagc ccagcaatcc caccacagct atgactatga   540

tgatgtctgt actactcgag aaagagtcat tcatctcaat caagtacgac gagaatggag   600

tggcatctgg ggaaaag   617

<210>   3299
<211>   553
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055a08a1

<400>   3299

gttttcagcg cgcatcactc tttctttcgc tttctctctc ttcctcgttc gcttctctcc   60

ccgaaatgga gcagtctctg ctgagaggcg aaagcagtga ccagagtaac cggtcgcggg   120

gaatattccg gcgctccgat gctatcacct acggctccaa ctacgagaaa gccgctgcgt   180

tcatcgatct ggctgaagat ggtgttggtc tccctgagga aattctcgac tcaccaaact   240

tccaaaatta cataagattt tactttatat tcaataaatg caatctaatc tggtctctta   300

gttattttgc tttgatagtc ctgaatttcc tggagaaacc tctatggtgt aaaaagctta   360

ccacaaattc ctgcaacgat agagagtatt tctatttggg acaattgcca tatctaacag   420

atgcagaatg tcttatttat gagggaataa ctcttgtttt gctaatcata catacattct   480

tcccattgtc atacgaagga tcccacatat attgggaaaa tactattaat caattgaagg   540

ttttctctct att   553

<210>   3300
<211>   554
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055a09a1

<400>   3300

gctgaaaggg catgtgctgc agcaataact cttgatacgc ctggtgcaaa ttatagaaca   60

gtttgggctt taagcaagta cttcccaaat gtgaagactt ttgttcgtgc ccatgacgtt   120

gatcatggat tgaatttaga aaaggctgga gctactgctg ttgtcccaga gaccttggaa   180

ccaagtcttc aactagcagc tgctgtgctt tctcaggcta aactccctac gtcggagatt   240

gcagctacta taaatgaatt cagatctcga catctggctg agctcactga gctgtgtgaa   300

1320

gcaagtggaa gttctcttgg ttatggattt aatagaatta tgaacaaacc caaatctcca 360

tccccagatt cattagatga daccctgtc tccgaaggga cactagcaat atgaagagtg 420

gcgcatatat acaaagtaga tggcagaaga aaaggagaac taggaaaaaa aaataatcgt 480

caaaaaaatg tatatcagat cattagttcc attgttatgt accagaatat agcccaaatt 540

agttttattt tctc 554

<210>   3301
<211>   359
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055a09d1

<400>   3301

gtcgcccttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60

ttttggtttt ttgggttttt tttttttttt tttttttttt ttttgttttt tttttttttt 120

tttttttttt aaccccgggg gggggggga aaaaaaaaa agggggggga aaaaaaaag 180

ggggcccaaa cgggggggg ggggtttcac cctccccaaa aggttatatt ttgcccccc 240

ccaaaaaaaa cccttttggta aaaaggggg ggggtttaaa cccccccccg tttttggggg 300

gggaggaaaa cttttaaccc cccctgccaa aggggggaaag gttcccccg gggggcctc 359

<210>   3302
<211>   509
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055a10a1

<400>   3302

caaggatcca gagtggttct tcttctgtcc gcaggaccgg aagtatccaa acgggcacag 60

gttgaaccga gctacgaatc atggctattg gaaggcgacg gggaaggatc gaaagattaa 120

gtctggctcc accttgattg gaatgaagaa gactcttgtt ttctataccg gtcgtgctcc 180

caaggggaag aggaccaatt gggttatgca tgagtacagg cctaccttga aggagcttga 240

aggaaccaat cctggacaga atccatatgt cctttgtcga ttatttaaga aacaagatga 300

gagtcttgaa gcttcaaacg gtgatgatct ggagcggact gcttcaactc ctacaactgc 360

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caattactgt cccgacgaaa tacaatctga ttcagctttg gttccagcat ctttctcaca   420

ggttactgaa gatgataagc ctctaccagt tatttccgag aactccgagg aagcaatatc   480

caacattata acccctggtg atattcata                                     509


<210>      3303
<211>      441
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220055a10d1

<400>      3303

aaacaagagt tatatattat tgctttattc atttatttga cattttataa cttgggaatt    60

gtatatgaaa ccagacacta cagataaagc atttgcttag taatggctat tgtacatata   120

ttgatatata gcacttaaac tgcagtgcca tatatatgta tatatactaa ccagctagtg   180

gctaagttta gtactagatg catttttaca caaacttgtg cgtcctcttt tggtggttat   240

aattaggtga gaagggttta aagtttgata tgattgcgtg gttgcttagg ttgttttttcc  300

atgaataaga ggcaagtcaa cttcatcaca ccactcgatg tacctagttt caaaataaga   360

acctttgct tggttgggca aatagctaac ccaaaactct tcccctattc tccacttcag    420

cacactccct tccatctctt t                                             441


<210>      3304
<211>      532
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220055a11a1

<400>      3304

tagagtggca ggtagatgaa ttggataaag caattgctgt agcgtctaga gatccttctt    60

ggtatgggat tgatgaagct gaggttgaaa gccgaaggag atgggcaagc agtgctcgtt   120

ctcaggttgg cacaatgaag aaagcaatgg aatctggcaa gggctcaagt accacaagcc   180

atgctagtgt aaatgggatg cgccgagaac tgatgaggct accaaattct catcaaactg   240

atagctccaa ccagtatgct gccagagata atgatgattt catacaatca gaatcagata   300
```

1322

gacagacgct tcttataaag agacaggatg aggaattgga tgagctcagt gaaagtgtac   360

gaagaatcgg aggtgttgga ctcacaatac atgatgaact cactgcacag gaaaagattc   420

tagatgagct tggttctgag atggacagta caacanatcg tcttgatttt gtccaaaaaa   480

aagtggcaat ggttatgaag aaggctagtg caaagggtca gatcatgatg at   532

<210>   3305
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055a11d1

<400>   3305

aggacaaaag gaaaaggcac caaattcaat ttaagtggac actgtaactc aaaattatag   60

aggaagacgg gccaatatga aaaatatagt aagatcatct caaacttagc atcttctctt   120

tgcacctaag acattgagaa tgctaaaaat gttacacgca agttccatca caacttttag   180

cacttggatt agtacaacaa cctttacgaa cagaaatatt tacttgccaa gtttgctttg   240

cctccaattc aagactggaa gaaagttccc ctctgaatag catcctcgtt agcatttcca   300

agagcagcct cgttcaagta cttgtcagcc aattggactc tcttgacatt ctcttggtct   360

tggacaagca tgttaccata cagcaagagc ttcttcagag tcatcttggg ct   412

<210>   3306
<211>   307
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055a12a1

<400>   3306

cactaaccgt aaagaagttt atatcgtcta tatgggagcc gcggattcaa caaatgtttc   60

tcttcgcaat gaccacgctc aggttctcaa tttagttcta agaaggaatg agaatgccct   120

agtacggaac tacaagcatg gtttctcagg attcgcagct cgtctatcaa aggaggaggc   180

agcctcaatt gctcacaaac ctggtgtggt gtctgttttc cctgacccca ttctgaatct   240

ccacacaaca cgttcctggg aattccttaa ataccaaacc cacgtcaaaa tcgacaccaa   300

accaaat   307

<210> 3307
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055a12d1

<400> 3307

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gtcattcaaa agtctcaact tcactctagc actaaataat ttacaagatt aattcaattt    60

ggtctctgca ctaaataaga aataaattaa atcgaattaa actgaataca attgacagac   120

caatatcatt ttgcatactc agatattatt aggacgtcta caaatatggt gcattattcg   180

caaaattgat tatttaccac tctatagtct atactatact gaatatttac tacacggtga   240

tataaactat gtgttct                                                  257
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<210> 3308
<211> 480
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055b01a1

<400> 3308

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gtcagacaag tgcctagcgt agcattgcgg ggtttcctat gagacagtca ccgacgataa    60

tgagtctcct cacgatccac atgccttcac tcagggcctt ctttatactg gaaatgacac   120

ctcatttgag ccaactggac tttatgggga gtcatctgtc cgcaaagccg atcttcggac   180

tgcgaaggct gacattattc acaagatgga tgatccttat ttaggggaag gtataactct   240

cctcaatagc aggctcttac atggaactcg agcgcggaca catggctcca tatatgaccc   300

acaacattta cgcccaattg ggacatttaa tcatgatatg aatgatgcta gccgtctggc   360

aactgctgga acagtcttgt tcggaagtga tcggcagttc aacattgcat taaatgattt   420

aaactgatcc tcatacattt aaagctgtat cacaacgtgt agactactaa tgagggcatg   480
```

<210> 3309
<211> 494
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055b01d1

<400> 3309

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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt      60

tttttttttt tttttttttt tttttttttt taaaattaag gggggattcc aaccccccct     120

tttagggggg gaaaaaattt ccatccccc aaaaaaaac ctgtaacctt gaaaggggggg     180

ggttttccaa aaggtgggtc cccccaggtt ttaaaatttt tttgaaaaaa agggtttta     240

aaaagggaaa attttttac ccaaaaggcc ccttcccttg aaaaaaaccc ccaaaaaacc     300

ccaaaaattt gggccaacca aatttccaaa attccgggga atttttaaa gggggcccaa     360

aaaaaggcaa aaaacccctt tggggccaag ggaacccccc taaaacaacc cctaaaaaaa     420

aaagggggctt tcccaaatta aatttggggg gccaaaaact tttggccaat ttaaaaagcc     480

cccaattgaa cccc                                                       494
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<210>   3310
<211>   594
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055b02a1

<400>   3310

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ggggagcctc taagttcaga ctataaagga ggttattatt gttgttatga tcaaacccag      60

tgcaggttga gggaaggctt tgagggccca agaggagcct ctacctaaga tacacagtga     120

agtgggttga atggaacaag ttcattgtgc ctgtaaagat ttatatactt gatgtcactg     180

atactttaaa aatatcagat gattctagtg gaatgatccc tgagcatgat tgcaagaccg     240

agtatgaagt tgaatcttgc agcactggcc aaaagaatgg taatggctgt cttgatgtga     300

agagaacaag cctcccaatg caaaagggtg gttatgtcat atatggtgtt gctcatcagc     360

attcaggtgc cactggatca actctctatg cacaggatgg aagggttata tgttcttcaa     420

taccaaggta tggaaaggga aaggaagcag gaaacgaagt agactacatt gtaggaatga     480

gcacatgtta tcctcaacca ggttctgtaa gataattgat ggtgaaacta taactctaga     540

gtctaactac agcagcagcc gttgccacac ttgagtaatg gtgctttct acct            594
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<210>   3311
<211>   459
<212>   DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmf102220055b03a1

<400>   3311

ggaacctaca actactgggc agactcctac acactgttcg tgtttgagat ggcactgatg   60

ggatttgcag agcacagaag attccaagac tgggccaaac caggctctat gggcaaacaa   120

tacttcctag gactagagaa gggtcttgga ggttctggtg agccagctta tccaggagga   180

cctttcttca acccactagg ctttggtaag gatgagaagt ccttgaagga tttgaagctc   240

aaggaagtga agaatggaag gttggctatg ttggcaatct tgggttactt tgttcaagct   300

cttgtcacag gtgttggccc ataccagaac ctcctagatc atttggctga ccccgtgcac   360

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tttacgttgc caaaacttaa ctacctttct acctttcta   459

<210>   3312
<211>   537
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055b04a1

<400>   3312

tcggaattcg gctcgagaaa agagcctttg ctttttcttt aggcctttcc gaattaagta   60

cttgtttcat tttctctcga agcaagaaaa atgttcatcg agagtttcaa ggttgagagt   120

cctaacgtga agtacacaga gactgagatt cagtccgtgt acaactatga aaccactgaa   180

cttgttcacg agaacaagaa tggcacttat catggggttg cgacgtccta agactgccta   240

tgtgccttta aaaccaacac ccatgtccct aaactagggg taatgcttgt ggcgtggggt   300

ggaaacaatg gctcaaccct caccggtggt gttattgcta accgagaggg tatttcatgg   360

gcaacaaagg acaagattca acaagccaat tactttgggt cgctgaccca ggcatcagct   420

attagagttg ggtctttcaa ggggaggaaa tatatgcccc attcaagagc ctgcttccat   480

tgtaaaccct gatgatgttg tgtttggtgg atgggatatc agtaacttgg acctggc   537

<210>   3313
<211>   465
<212>   DNA

1326

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055b05a1

<400>   3313

gcagaggact atgctcggtg aagctttata cccgcttgtg gatcagctgg aacacgatgc   60

tgcagcaaag gttactggca tgcttctgga gatggaccag cctgaagttt tacatctgat   120

tgagtcacca gatgctctga aggcaaaagt tgctgaagcc atggatgtgt taagaaatgt   180

tgctcaacag caaactaacc cagctgatca actagcttca ctctctctca atgacaatct   240

tgtgtcttag attcctttag tcttttgact ggaatctgct ttccagttat tcctattccg   300

tatgcttccc cccagtttat ttgcaggtgt cttagatgtt ttgttttagt cagagtacta   360

aggaagttta tgttcttggt acttttggtt tcactttttt tcgtatctga attgctgtaa   420

gatggattag cataacttgg tggatttatt agatatgcat ttgcg   465

<210>   3314
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055b06a1

<400>   ·   3314

gatcaacata tttttgttga catatcactt tgacatacat cttaatatcc ttcaaatttt   60

tcagaaaacc aaaaactata aatcccttat gcagtaccaa gcaccaaaat gctttcaatt   120

aattgacttc tgagttatca caacttggct caattctata ttagaaggtg aagtgtagaa   180

tagagctcca ttaacttaca accacatcgc cctcctcacc cattgcaact gcagctcgca   240

cagctaccct cctaatgtca tggagaaaaa gtctatgacc atttggaaga ggtggataat   300

agtcattctc tccatatttc aggtagtcct gcatcgtcca tcctacccca gctaacatat   360

catccaatat gtccaatgga tcttcactct tgggattgtc agatgtcagc atggtcactt   420

cacttttatc tggtgctatc ttggtcatca cgggcctctt cccctgtcgc cctaccacag   480

catccaatga cagttataac cctgcgaggt ccaagctctc tacagaatcg agc   533

<210>   3315
<211>   444
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmf102220055b07a1

<400>   3315

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gagagagaga gagatgatgg cagacgatat cctcaatgtg ttacctaatg gaactgcccg   120

gtcctttcgc gaccgagatg attgtgttgg acagacacgg cctccaactc gacgtcgatc   180

agattcccgc cttcggagac tcatgccgga catctcacaa cacggggttc cgtggatgtg   240

ccaaatatta ccatcgctct tcgatactaa acgctcaagt gaactcttca ctgctgatga   300

tctgcctgtg gttcacgctc atggtgaacc attcagccag cctatatgtc accgccacaa   360

tctatatcga catcttgagc ctgtcctccg atatgacgaa cacacacctc tttactgtac   420

acactccttt aagatcttat tcac   444

<210>   3316
<211>   294
<212>   DNA
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tatctatatg taataagatg cgttcaaata ggggcactag cttcacttta tgttgtttca   180

gctgtgtgtc aacaagtcat gtaagagact tcactatgtt gttttctctt tcgtggcttt   240

aataaattat gcgcccttgt tccaaaaaaa aacagaggtc atacgcatta gaag   294

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<223>   Clone ID: jC-gmf102220055b09a1

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agatctatta caggtggctc ccgacgatga   150

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055b09d1

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aaagaagatg gaaaaaaaac gccactgtat acttagccat taaaaggaaa ctcaatcagc   180

cggacatgga agatcactca agttaccact caaaaagagc tgcggctagg cctatcctgt   240

gcaacattca ctctgatagc cctcccgtcc aaactctgac catcaagggc agcaattgca   300

tcattcatat cagtctcact agacattgtg acaaagccaa aaccacgtga tcgaccagtc   360

tctctgtcat agaccacccg agcatcctca accttaccat gttcactgaa aatttgctcc   420

agccgagcat cgtaacttcc catg   444

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055b10a1

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aagagaattg ccattattgg tgtctcaacc ttattgttgg tggcgatggt tgtggctgtc   180

acagttggtg tcaatgttag tgagaatggt tccaacaatg aggacacaaa aattgcttct   240

tctgtaaaag ccgtccaaac cctttgccat cccacaaatt ataagaaaga atgtgaggaa   300

agcctcatag ccagggctgg aaataccact gatccaaaag aacttatcaa aattgtcttc   360

aacatcacca ttacaaaaat tggcgataaa ctcaaaaaaa ctaatctttt gcatgaagtt   420

gaagaggatc ccagagccaa gatggcactt gacacatgca agcaactcat ggatctttct   480

attgaggagt taacaaggtc acttgatgga atatgtgagt ttgacctgaa aaatatcg   538

<210>   3320
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220055b10d1

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atagaagaaa taagatgaaa aacatgattg atccattagt tacctgcaca agccatagta   180

cttgcacaca acatatatag tacgtaaatt tatacatatc taagagagaa caagcaaatt   240

agaaagatta aatctagaag gaaagctgca atagcattac aaagccacat ccctaaccat   300

ggcggatgat gataccagct gcaacttcag tctgacgtaa gacaggaacc aaacaaattc   360

aaagaaccaa gtgctagcca attntcagag catcactgat tntcccactg tttgcactgc   420

accttgagca gatactaaaa aatttaatac catttcacca gttctcttct tgtggtagat   480

tacgactgta gaatggaaac tcgaagagaa aag   513

<210>   3321
<211>   558
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055b11a1

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ctcccaatcc gaccgtgtct tcgtccgcgt cgacaacaac cccgtttcct tccccgtcgc   180

cgacgactcc gctttcgatg actcccccga cgactactac tacgacgacg gcggcggcgg   240

agttagcggt ggtcccttgc cggagggcgt gaggagggag attctggagc tagggtttcc   300

ggatgatggc tataactact tgaatcactt gagggaaatc aaaaacaccg gcgctggtgc   360

tgctttcttt cacaacccca agttcaagct tcaacacctc cctcgcgatg ttaaggcata   420

tgatgcttcg agattgcaaa tttctgatgc ggatggagag gctgtggaga acactatata   480

cagtggtgcg ttcaaaacta ccagcgtaag ggtgcagaaa gcagttgatc ctgaagtggc   540

tgcattgctt gatgatga   558

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055b11d1

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taagtatgca tgatatataa agattcaaca gcctacgttg gaaactttcc tccaactcag   180

tatcttgagg aattaaagta ctcatgcaac tatcactcta aaactttctg cagcatgatt   240

ctcaaactct cacgtcacat actgtaatta aggttaacaa tgctttattt tattaggcat   300

tgttccaacc ttctgattca tccttcatgg ggttcggttt gtaggaatgg agcatgaagt   360

tgcacgcacc aacagcctct tcaactgtca gatagatcca tttttgcccc agttcatcaa   420

ggaacttgga tttgttcagc ttcttcatca cctcgcttcc tggattcacc aaagcaggct   480

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aaaaatatta gcttaatgag aa   562

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<211>   634
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220055b12a1

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1331

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gttgagagca ccacaagaat ctcagcatgg agatgcagta atggaggctt tcgtcaaagc   300

ccggagtggt tctgttcttg ggaaaggcta catactgaaa acgtatttct ttcctggtca   360

gagaacttct agccacatac aaatacatgg tgcaccacac gtttacaagg ttgatgaatt   420

ccctgtgtat agcatggcaa ctccaaccat ctctggtgcg aaggagatac tatcctaatt   480

gggtgctaag cctaaagcaa atgtctcatc tgctcaaaag tgatatngac tgatctgaga   540

gaggaagcag ttgtctatat caaaggcact ccctttgtcc tagggagttg aacaaactcg   600

tgatcactca agctgtggaa tactgtcctg catg   634

<210>   3324
<211>   404
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055b12d1

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aaaagggaaa atgcataaac ttttatccaa ctgaaaacta aaagggacaa tttaacccca   120

aacaaaataa agcatccccc cataaaaagg ttcaatcctg tttgaaaaag gaaacaattt   180

ggtcgatcaa aacctgagca ttttcacaat tgggtttgaa caaatgaaaa acatggccct   240

aatccttggt ctccaccatt tccgaaacac cagaccaccc atttttttaa agcaactcct   300

tatagtacaa acccctgtcc ctaaccaaat ccttttccgc aacacaaaga agcaattttt   360

cacaagctaa cttccccagc ttcggatcct tactcgggtt aata   404

<210>   3325
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055c01a1

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gcatcaacga tgccttcatg cgcaaccgag acgccggcgt tcaggaccgc accaaagcgc   180

agaaccgctc caacgtcctt cagctcaaac tgattggaca gagttaccca accggtctca   240

cagcgaacct gttgaagctc ttcgagccta ggcactccgt tgggggacaa gccacctacg   300

gagagacgac aatgcccacc ggtatcaggg atggcacaat ttgagagcaa gtgtgccgag   360

cctggccagc cataatacgc tccacctgtc ccagaaactg agactcctgc acaaaaaaga   420

gccagaatac acaagctaag gcttgagaag ggagctgcag aagctg   466

<210>   3326
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220055c01d1

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agcaaaaaaa aaaaaaaaaa aagggtaaag cggagagatg aaaagaagga aaagcaagag   120

ttaattactt ttcctccttt attacagatc agaaattaac acaagggaac acagggggga   180

tcatgaaatt aaaaatcagg ggcgaaaggg gcatgctggg tggggatgaa ggcataggta   240

tagataagac cagccaaacc accaccaata agagggccaa cccagtagat ccagttgtca   300

tgaaagtcac cactgacaac agcagggcca aaggagcgtg cagggttcat ggacccgcca   360

gaaaatggcc ctgctgctaa aatgttggca ccaacaatga aaccaatggc aatgggtgca   420

attgggccca atgaaccctt cttagggtct gc   452

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<211>   395
<212>   DNA
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<223>   Clone ID: jC-gmfl02220055c04a1

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1333

ccttgtcggt gatcttgttg tttattttc acaccacttg tgaaacttct caagaaaaag 180

aaaaaggatg tttcttgatg attggttcta tggaattttg gcgaccctag gcctgtggca 240

caaggaggcg aagattttga tcctagggtt agataattct gggaagacca ctttgcttca 300

catgctcaaa gacgagagac ttgttcagca tcaactaact tgatattcca cttctgagga 360

gttgagtatc gtgaagatat agtttaaggc tttcg   395

<210>   3328
<211>   383
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055c05a1

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taaaggggaa cttggtgatt atgcgaaaga atgtgttgga tatcaacagc attaccagtg 120

ttaagggtgt catcggaacc ggcattaaca tcattggagg agtcgtcgac accgttactg 180

ctttggcgtc ccacatcttc atccagctca ttagtgccac caaggctgat ggacatggga 240

aaggaaaagt tggaaaggct acaaatttaa gaggacaagt gtcgttacca accttgggag 300

ctggcgaaga tgcatacgaa gttcattttg aatgggacag tgacttcgga attccccgtg 360

cattttacat taagaacttc atg   383

<210>   3329
<211>   516
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055c06a1

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ttcgaattcg aattagggtt ttgcgcatcg tcatcgaatt tttctcttat gcaaggaagg 120

ttttccttct ccgatttgaa tttgattgaa cgagtagtgt taagattatg atattttttg 180

agaagcttcg tttctctcct cacttgagcc gcttcattgc cggcatcctc ctgttaatct 240

tctgcaattc attccagtta gtctctaatt tccccattcc tatacagcct tagattcaac 300

gtcgatcgct acactcttct ctccgattcg tacgattccg tattcgatat tcgtttggtt   360

gattcactcc tcctctctct cgctttcgat tcgttggtga ttgctgcttg aacaattaaa   420

catggaacct aatcagctct tctccacgca ttttcgcgat ggtactattg cctcatgcat   480

tgagggccaa cacagaggag ctatcccttc cgtatt   516

<210>   3330
<211>   535
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055c07a1

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ccaagcccgc caaatctggc ggtggcaagc agaagaagaa gaagtggagc aagggaaagc   120

aaaaggagaa ggtgaacaat atggtgctgt ttgatcaggg cacctatgac aagctccttt   180

ctgaagctcc caaatacaag ctcatcactc cttgcattct ctctgatcgt ttgaggatta   240

atggatcact tgcaaggaag gctataagag aattgatggc aagaggttct atcaggatgg   300

tgtctgccca tgcaagtcag caaatttata ccagggcaac aaacacctag gtggtgaact   360

gatcttagtt tacggagtat tggtaggaat agtgaagtat tgttcttttg aagtttgaga   420

tgcatctcat atagcttcta tcagatctag attggtgctg aatccgaggc tgagattgta   480

tttttggatt ccttcaatgt ttatctattt ggatattatg gcagttgtct tatac   535

<210>   3331
<211>   574
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055c08a1

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ccgttgtagc cattgggctt ggtgcagtat atctctattc atccaagaag accaaaggtt   120

gcttggaccc agagaacttt aaggcattca aacttgttaa gcgtgcacag ctgagccata   180

atgttgcaaa gttcacattt gcactcccaa cacctacatc tgttttgggt cttccaattg   240

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ggcaacacat aagttgcagg ggtaaagatg ctcaaggtga agaggttatc aaaccatata  300

ctcctactac tttggattcc gatgctggac attttgaact agttattaag atgtacccac  360

aaggaaggat gtcacaccat ttccgtgaga tgcgtgttgg tgactacctt tccgtgaaag  420

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caggaccaaa gtacatctta tctatgccaa tgta                              574


<210>      3332
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<212>      DNA
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accaacatgg actcgacggt ggcatcgcta acccaaacag ttctcaggaa cgagagctgg  180

cgcaaaatga tgtcgtcatt gtcgttgtag tcctcagcaa aaaaggaaaa tagggttccg  240

gagtgagttc ctttaactct cgactagtta attaattcac actcgctctt ttgtgatttc  300

ctttaactcc atatagctag aaagaaagaa agaaataaag aaagaaggaa atggttattt  360

ccttcaacgg aaccaggatt ggatttggta cgctagtttg ggtttcacga tttctgcata  420

cttggaatct taaattccta tctcgaatgc taattcttct tttttaggtt ttggcgtatg  480

ttgcgcgttc ggtatagtag ggggtttcgg aggtttatgc cttatttctg aaccatttta  540

gacatttcta tagat                                                   555


<210>      3333
<211>      491
<212>      DNA
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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220055c09d1

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attataaagt tattaaatga ttaatcaatt gggttctacc tgtgcctgta gtaaaaagag    180

ttccatctgt tcttgaatag cttccttcaa aaggacttct gcttccccag tgaatgtctt    240

ggtagaagat atgatttctt tgaattgagg tttattcgtg tttaagtaag cacgtaactt    300

aacaagaaat ttccttacct gtgcaatttc taatgaatca agataaccat tcggtccagt    360

ataaatagtt attatctgat cttccacggt aagaggagct gattgggatt gcttaagcaa    420

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gaattgggca a                                                         491


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<212>    DNA
<213>    Glycine max

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tctttcctct tcttcccctt ccgaatcacc gttcgcaggg ttttgctctc tctctctctc    180

tgtctctcgc ttcgtttcta gttcagatct cgcattggct tcagctgaaa ccacgcggtt    240

taatttcatt cccttaaatt agggatttat cttatgtcga aacacttgaa gtgatgatgg    300

tgtggttgtt gtgagaaatt aatgatcgtt gagggtgtgg gacattggta cagagctttc    360

agtgtagttg acaactacct aggagggaag aagaggaatc tttcttccgc cgttgtcgtg    420

tgccgcggtt gctgtactgt tgatggtctg gaaactcgac agccctgtgc agactcagat    480

ggctgtggca gtgattagga gcagtccact tgggagaga                           519


<210>    3335
<211>    552
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<400>    3335
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atctcaggtg ttggcatgac atatgccagt gttctgtatc atgatcctat gtcatttctc   180

ctttttttct gtagcttccc tttttctata aaaaaatatc ttatgatgct tttaactata   240

taccaagatg cctgaacttg caaaaatatg caattacaca agagcagcct cttgtgtgtg   300

cttttcctgt gttgctttga tgtgcccaac ataaagatca ctcccatggg aatcagctgc   360

cggaagtctc tctctccgac caccctcaga catgcttctt acgaaatcca ctaggtgccg   420

ccagttgtca gcttaaacaa cctcttggtc attcttagat atgtgaatgc agccaatcca   480

cttgccgatt ctgacttact ttgtgataaa cttgagcata tgcatctgca tcatatctct   540

cccatgcatt tt                                                       552
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atccccccct agctacagag cagccaaagg ggaggaataa taataagcct atattctaag    60

gccggaaaaa taaaaaagga ataacaaaaa tgtctggaaa ggtaattatc tcggctgttt   120

ctctcatcct ggtggttgga gtggccatag gtgtggtggt ggccgtcaac aagaagggcg   180

aggatcccac acttcaatct caacaaaaat cagtaggggt tatctgccaa aacactgatg   240

accagaagct ctgccacgaa accctaagct ccgtgaaggg catggacacc gctgatccaa   300

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tgagtgatag gctcagtacc gagtacggag gcaacgataa cggaaccaag atggcccttg   420

atgattgcaa ggacctcttg caatccgcta tcgagagcct ccaactcagc atcgacatgg   480

ttcacaacaa caacttgcag gccgtgcata accaacaggc tgactttaag aactggctca   540

gcgctgttat ctcgtaccaa caggcctgca tggagggttt tgaccatggc aaagaatgtg   600

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aggtacagcc tgaaacacaa cttggcaaag tcattctcat acaggtcctt ggggtaatcc  180

gctccaagct tgtacgccgc ggccgttccg gagatgacgg cgacttcgtg ggcgttgacg  240

agggtccaag cggcggcata tgtcgtatgc ttgctgttcc tgttcaaagc ccagacgaat  300

ggcacaacga aagcgtattg cgtccaggaa tgcatcaact gatgccacca gtcttcccgg  360

atgatcttgt ccttcttgat ctcatccttt                                   390


<210>      3338
<211>      544
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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cttaccctag atgttagagc catggacata accccaacaa caacgatcaa caacaacaac  180

actactccca gtgcaacaac aaaatcccca gaaaatgaaa cagaaacacc gaccaggatc  240

accacccca tcactcccac aacgacaaaa acctcatctt tctcgaatgg tgtcctcaaa  300

cgcacccacc accaccacca ccttcaccac cctatccctc cggtggttac ctacaaagaa  360

tgccttaaaa atcacgccgc caacttgggt ggccacgcct tagatggctg cggcgagttc  420

atgccctctc cgaccgccac cgctgccgac cccagctcca taaaatgcgc cgcctgcggc  480

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cacg                                                               544
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<210>	3339
<211>	489
<212>	DNA
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<223>	Clone ID: jC-gmfl02220055c12d1

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tgcatgcatt cataacaagg gcaatattaa tttcagagta cattttagat aggagaatac	120

ttagggaacc aagatgaggt cattgataat ggttgatgtt catacggaga aagaggatgc	180

aaggccaaac tgaaggcccc agagctcaaa agatccctta acaaagtcat agtatcctcc	240

ttttagtgac aatgtcttgt tcaccaagcc atctctaaca aatgggtatg ttagaaggtt	300

tccaagggaa acattcacag cttccttctc acagtgtgag cacaactcag caaaaggtgc	360

atccccatgt tgtgtcttca cctttgcctt tgcaggcaag ccaattttga cccactcctc	420

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acaagcact	489

<210>	3340
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<212>	DNA
<213>	Glycine max

<223>	Clone ID: jC-gmfl02220055d01a1

<400>	3340

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aagtgttccc gctgccacta attcaaggct ttcacctctg aagccagaac ctgttgatta	180

taattatggc tttggtgcga cagttgatat acctcttgat tcatcaacgg atttgaaaaa	240

gaaggagaag gaacttcaag ccaaggaaac tgaattgaga aaaagggaac aggaagtgag	300

acggagagaa gaagctgctt cacgagctgg aattgttctt gaggagaaga attggccgcc	360

ttttttccca ataatccatc acgacattgc taatgaaatt ccaattcatc ttcaaaaatt	420

gcaatatgtt gcatttacta cactgttagg attagtgttg tgcctttttt ggaatgttat	480

agctgttact gcagcttgga ttaaaggtg 509

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220055d01d1

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aacaagatat atgaataaat gaatggaatc gtacttcaag tgagtttacg ccaaagccct 180

cccttggttg ctgttaagca cttcacacgt cgaaaaacaa aacctgcctt tggaggtctt 240

ccatcaacaa gtgaattctc atatatctct ttgcactctt gaatgacctc cttggcatcc 300

ttccgaggaa tgccttctcg tagaccaaca agtttctcaa caacttcagg cgggcagtca 360

ggttgatgtt cgagtatatt tgtatagatg agtgtaaagg tatccaggct ctctgctgaa 420

gcaagctccc tcaagtcgct aagtacactc actctgtttt caactttaga aacactgata 480

tgttccctta aaaagtccat g 501

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<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055d03a1

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cattcacaag attgaggaga cccttcatgt gggaggcccc aagatggagg aggagcacaa 120

ggttgagctt aagcttcgag aagaatgcaa aggtgtgcca tcatggagaa cacagttctg 180

aataccgagg caagtgtcat gccgatgagc caaggcttgg gaagaaggga ggatctgctt 240

taagcaagag tgtttataga ctggaatcac agtcctgata cactggccgg tctgctgcgg 300

caggctgttc gtgcaagctc cagatctcta cgagcggacc atgcggtgca ttaacatcga 360

caccgtactg gtccttgaca tggccgctta tctaacccta aagtgccgtg ctaacggcct 420

catgaaactc gtcttcagaa tattccc   447

<210>   3343
<211>   344
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055d04a1

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caccctctac ttcgccaccg cgcagcagcg tcggagtttc gaccaaatct gtcggaaggc   120

cgaggatggt cgccgatttc gcgaggccgg tggggcgtgt ccgagcggtg acgagcgacg   180

acgagtgggg cccggagaag gaggaggagg catacggcgg aggagtggcg gtggaggaga   240

aaccgacgga gacggaaacg gagaagctga agaaggcttt ggaggattcg gtttatggac   300

gggatctgga ctgaaggcac gagtgaaccg agagcagaga tcgt   344

<210>   3344
<211>   547
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055d05a1

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gagctattaa attatttgat tctcgttctt atgacaaggg tccctttgac acctttctag   180

ttggtggtga cacagccgaa gtttgtgata tcaaattcag taatgacggc aaatcaatgc   240

ttctgactac tactaataac aatatttatg ttcttgatgc atatggagga gagaagcgtt   300

gtggatttag tttggaacca tctcctggta ccccaataga ggctacattt accccagatg   360

ggaagtacat ggtggcagga tctggaagcg gaaccatgca agtttggagt attgagacca   420

aaaatgaggt ggcatgttgg accagccata ttggggtgcc ttcgtgcttg aagtgggccc   480

ctcgcatggc catgttcgct gctgcttcag tgttcttaca ttttggatac ccatatgatt   540

aaagctg   547

<210> 3345
<211> 522
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055d06a1

<400> 3345

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ttcttgtttt agtttgagct ttgtttggta aacttgtcaa gggggaattg cagtttctga   180

tttgtgaaac tacaaaaaat tgaatttaga actgataaag ggtctaatag aagagttacc   240

accatatcat gttataccaa actagcatta gaatttatca tgatccttat ggatatttgt   300

tagtaatgtt cttagttctt atatagtact agaaagtggt gcttgaaatt tcaactacta   360

ttattggtgt agaggctcaa tcgagttaaa agtgagaaag caatttaaag tctttgaagt   420

gaatttggat caaatggttc ttctgtgttt acccttatgt gtgttcttca ttctacaata   480

gctctaactt gtggagcttt gatgatattc tacttcaaag ag                      522
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<210> 3346
<211> 616
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055d07a1

<400> 3346

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atttccatta ctcccaaggc ccaagcagca gtgacatgca accaggtggt gagcaacctc   180

accccatgca tttcttatgt gctcaatggt ggcaaaaccg tgcctggccc ttgctgcaat   240

gggatcaaga ccctctttaa cctcgctcac tccacaccag accgtcaaac cgtttgcaag   300

tgcataaaga acgctgttag tgcgttccat tatggcaagt ccaatgtgga ccgtgctgct   360

gctcttccta agcagtgtgg ggttaacatt ccttaccaga tcagcccttc caccgactgt   420

accagagtgc agtgaggtta atgatatatg gagcggtaac tctagatgag aaggatatac   480
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aatatatagc tagtgtgtga ataagtggct ggctacgt aggccacaca ttacattaat   540

gactggcggc tgctaatatt acatccatca ctaattttgt aacgaataat gaactttta   600

tttgtagaat caaaat   616

<210>   3347
<211>   559
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055d08a1

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ctctcccttc aacccctcaa tctccctcac caacaccttc tccctctccc accgcaccct   180

cctcctcctc aaccctaacc ctaaccctaa ccctaacccc cgccctggc tcgtcaagct   240

ctccctcgac ccacacgcca gcaccgcgcg tctcttccac cctctctccc gcttccccat   300

gaaactgccc cgtttcgccc tcgacctctt caccctcccc gccctcgacc tcggccgcga   360

gttcctcctc accaacacgc gccacacccg cgactccctc tacattgaaa agctcgtctt   420

cctccctctc acccatcgaa aagaccgttt tgccctcctc acgatccacg tctnncggaa   480

actcgccctc ttccgctccg gcgacgacgg cttgaccgtg atccccgaca tgccgacccc   540

ctacgacgac gtctgcgtc   559

<210>   3348
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055d09a1

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aagaaaatgg aacgctctac aaaactcttc tcggcggcgt ggggtctctg cgtggttgtg   120

atggcacacc agacagcagg acaggaacta agaggaaaga acctaatcaa cagggcttgc   180

acaatcaccc cgagcagaga cctttgcggt gggatcctct gatcggaccc aatcagaagc   240

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cctgacgcag acctcaagga cttggcacgt tatctccctt agggttgctg ccagaaacgc   300

ctacgggatg ctcagcgaag ccaaaatgtt gatcgatgac cacaacctag accccgacga   360

tcaacaagga ctgtccgatt gcaaggagac aatcttggac gccgagagcc agctcgagga   420

caccattgca tgcttgctgg tggattccga caccgacaca cagattcggc tcaaggctgc   480

cttggacgtc attgacacct gcgacgc                                       507
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<210>   3349
<211>   592
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055d09d1

<400>   3349

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accgtaagga taaacaataa tgtattgttg cggtatgaac tacgtatgat ttatgaacaa   120

atgtctgatg gtacatgtta tatggacatt tgaggaaaat aaattgaaca acaagaatac   180

tgaattccta ttactaaact tacaagttta cactaattat caagataata taacgtcaat   240

aataacacaa acggcataat tcttgggagt ttcctccgtc aatcaagttg gtgtgtctgc   300

accgtcccat cagctccatg gacgagaact gccataaccc ctcccgcggt cttggaaacc   360

tcggggacct gaaagtggag gtggtgcacc acgccccatt gctgctaatt caagactcac   420

tttctgtcca gcttcctcga gtatggctat aagttcctta gcaaatctgg cattagcagc   480

tgtgaagtat gtgtacgcag ttncttttgc accagccctt tcttgtcgnc caatgcgatg   540

aacataatcc tcaagtgacc ccgggaaagt catatttaca acatatttta ca           592
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<210>   3350
<211>   250
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055d10a1

<400>   3350

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1345

cttactcgat actaaggcta catcaaagat gcatgggacc acggctcccg ctcttaacat   120

agctgaagta cagaatcaac accccatgcc gtgtccgatg aacaaaaccc accaacgagc   180

tgacccaaga tcgtgatggg tcatacctcc actcaactgt ccctcacgag gattctgtgg   240

acggcgacgt   250

<210>   3351
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055d10d1

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agataacggg tgtctgtatg gtttgatgat tcttgaggca cctcgtaatc gacccagagt   180

tcgtcgacgc tagatgctgt gtacttgccc acaggttgtg agagcttgct atcgcggtag   240

gtctcgccga agccgcggcc aaaccattcg actcgttgga attgcttagg aagctccata   300

acgagaccga tgcgtggaag ggtccgaggt aggttctcac cctttggtgt accgacaaca   360

tggacagaca gagtattgtt ggcgctgaaa gtgtacgtaa gaacgcagtc gacagaccaa   420

gagagaactg gaggtgcgac acgttgatgc acggtaacct tgagggtctc tgagtcagac   480

tgtgaccatt cgaccttgcg agtcaatggt ttcgcgtgat gc   522

<210>   3352
<211>   569
<212>   DNA
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<223>   Clone ID: jC-gmfl02220055d11a1

<400>   3352

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atgttttgct gttcactcta ctaaattttt ctagcaatgg gaattatatt ttacaagcat   180

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1346

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atgttattct gcagcttagt attttaaatt gtgttgtgca acacaataat tggatgagac 360

attgagttgc ctggaattat ttatgagttt cttttttta agattagttt tttcttcttg 420

cttcttagat gaagctttgt tgatctaggt ttgtgcactt tggtgttctt aagtgtagct 480

aagttgatga tgggatctta aagatatgtg ctttcatttt gtcagaatat gtccgcatga 540

gctcacgatg aactgattta tttctttga   569

<210>   3353
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220055d11d1

<400>   3353

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ataaatctca caagatatat actacagaat acattacttc ctcctttcat ctattttgtc 120

ttttgatcat tactgggtaa tccataaaag tattacacac aaattcttca actgacaaaa 180

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ctgttcacgt catcttcatc gagaacaagt gaaaagatag cattggtatc ttgaatatgt 420

tctgccaagc caagtctgac accaaccatt gatcctgcta ctgcaggctg atctagtata 480

tacttcacag caacagttgc gatcgatacg ccatgtttag aagctacttg tttaagagtc 540

cgaagcag   548

<210>   3354
<211>   475
<212>   DNA
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<223>   Clone ID: jC-gmf102220055d12a1

<400>   3354

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gcaggtggag cgctgggtca tcctccaccg gattctccca ccctcgattc ctacgagcag    180

gtctacatct cctccctcgc ccttctcaaa atgctcaaac acggaagagc tggagtaccg    240

atggaagtga tgggtctgat gttgggggag gtcgaggatg agtacaccgc tcgcgttgag    300

gatgtgtttg cgatgcctca gagtgggacc ggcgttagcg ttgaagctgt tgatcatgtt    360

actcagactc atatgcttga actgttgaag cagactgtaa ggccggatat ggatgtgccg    420

tgagttcact cgcatgctgc attagggtgt tgactttttg gagtggacat taata          475
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<210>   3355
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055d12d1

<400>   3355

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aattttatgc atcacattat gcctttctat atattaggca acacattcca agctgaacat    120

gctaaatccc taagaagcat ccatgtcaag gggtcacacc attggcaatc ccattttggg    180

aaacgatact tggggaggcc aataaagggg cttttttaa ccagtattgg tgaaatcttt    240

gccttgcata ctccttggag tcaaaggcaa ttggattgac ctgactcgaa ataagtcccc    300

acaagcccca aaatagatgg tttgcaagag tggattttc tgcaagattc actag          355
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<210>   3356
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e01a1

<400>   3356

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gaactcaccc acaccgaaca caagaaagga tcatgtccct ttgctttgac ccttcaaacc    180

tatgaacctc agaacccca aaatttatcc accgaacaca ggacactcaa acctctgaac    240
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1348

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cctcatctta tccaaacgaa gcacataaca aaatgaaatt caaaccaaca tcaataggat   300

tgtcatacta acatcaaaca aagcaaagat gaaaagaacc ttgctgttat agttttcccc   360

taacgaaccc ttgacggcaa cagttatcac ggactcaggt tggtgcggag aggcgaactg   420

acgagcgcgg cgttgcaacc caggtcacgg tggcaaggcg cactgctgca gctgaggcgc   480

tgatcactga agcgcgcgcc gttgcgacgc tgcat                             515
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<211>       490
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<213>       Glycine max

<223>       Clone ID: jC-gmfl02220055e01d1

<400>       3357

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aaaccatgat aacaagtaaa gaaaatcacc tgatctatgg ggacaaaaaa attatctgac   120

ttgagaaagt agctagcaag cttattctat aagagcttat atataaacct acaacaaata   180

gtttcatcta acacttctct caaaagtgct ctattttttc attctgaggc aattttttcac   240

agaaagaaga gcacatttaa ttgtgaggag tcgatgcttc agatggacta cttgaggagt   300

cacctgagga tggattcaat ggtgaaccag ctgttagaga accatttcca ccctcactct   360

cagccaccac tggtatcttg acagtggctg ctctttccat ctctttctcg agttcttcct   420

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caatcagcag                                                          490
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<211>       532
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220055e02a1

<400>       3358

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tgacgtgtca tcgccagcat cgaacgatga acaacctagt cccacatcgg tgccttctcc   180
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gaaatggtac ccggtttcac ggggtgtttc ttctggggtg tcggagaagt catcaagcat 240

gttgtttgcg gttaaagatg gagcttcgga agcatttcct tgggacaata gcatgctgtc 300

gtggcagaga actgcttttc atttccaacc agagaaaaac tggatgaacg atcctaacgg 360

tcctatgtac tacaagggat ggtatcactt cttctaccaa tacaacccga acggtgcagt 420

ttggggtgac atagtttggg gacacgcagt gtcaagggac atgatccact ggcttcacct 480

tccactagca atggtggctg atcaatggta tgacatgcaa ggtgtgtgga ca 532

<210>   3359
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e03a1

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caaggcgaac tttttcagga ttatgggagt tttgggtgga ttaattgctg taggaaaatg 180

gtttgaccag atttgcaact ggaaaaatcc aatcacaaca gttctgatcc atatcctgtt 240

cataatattg gtcatgtacc ctgagcttat cttaccaaca atcttccttt acctcttctt 300

gatcggagtt tggtactaca gatggaggcc aaggcaccca cctcacatgg acactcgcct 360

ctcccatgca gattctgcgc atactgatga actggatgaa gagtttgaca cattcccaac 420

caccaggctc agacatcgtg aggatgcgat acgaccgact tagaagcatt gctgggagga 480

tacagactgt ggttggtgat ttggccactc a 511

<210>   3360
<211>   305
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e04a1

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tcatgtcaat cagcaggagc cagtgatgct gatgagaacg actgtattac ctctcatgat 180

gatggtgcac atcccaaaga tcataaaggt gatcacgctc ttgccgttca tggcttggct 240

gacgcttgta gattcggttg taatgatgca gagttgatct cacatggcat aatgacgtag 300

catgc   305

<210>   3361
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e05a1

<400>   3361

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aagaagagaa aaacaaaatg ggcagggttt ggacttcgat gatagcattg ttgctttgcc 120

tgatgacatc atcggttcgg ggcgaggacc cttacattta ctacacatgg aacgtgacct 180

acggcaccat tgccccattg ggtgtccccc aacagggtat cctcatcaat ggtcagtttc 240

ccggccccga aatcaactcc accagcaaca caacgtggt catcaatgtc ttcaacaacc 300

tcgatgagcc tctcttgatc acatggcatg gtgtccaaca gaggaagaac tcttggcaag 360

atggcacatt gggtgcccag tgccctatcg ccccaggcac caactacacc taccgctttc 420

agggtaagga tcaaattgga acttacttct actacccg   458

<210>   3362
<211>   514
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e06a1

<400>   3362

tgctattgcc attagtattt ttgttagttt caccttttgct gccatgtatg gtattgctgt   60

tgctgcgctt ggcatgctga gtaccattgc caccggattg gccattgatg catatggtcc 120

aatcagtgac aatgctggag gtattgctga aatggctggt atgagtcaca gaattagaga 180

gagaactgat gcccttgatg ctgccggaaa cacgactgcc gctattggga agggatttgc 240

cattggttct gctgcccttg tatcactggc cctctttggt gcctttgtga gccgagctgc 300

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tattacaact gttgatgtgt tgactccaaa ggttttcatt ggtttgattg tgggtgcaat    360

gcttccttac tggtttctg ctatgactat gaagagtgtg ggaagtgctg ctctgaagat    420

ggttgaagaa tacgcatgca attcaacacc attccagggt tgatggaagg aactgctaac    480

ctgactatgc caatgtgtta gaactcactg atgc                                514


<210>      3363
<211>      520
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220055e07a1

<400>      3363

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gtttgaaaga gatggggaag acaggcaaat ggcttagaaa cttgttgaca ggtaagaaag    120

acaaggaaaa agagaaggga aaatctacaa ccaacctgaa ttgttcttca aatggaacag    180

aaaactcaac cactccaact tgcacaaccc caaaggagaa aaagagatgg agttttagaa    240

gatcatcagc ctcagccact actgccacaa ccacaccacc aacaacttcc aaggaattga    300

attttgtaga aacaaatgtg actgtttcac agacggtgca aactgacact gatattcaga    360

atgagcagag gaagcatgcc atggctgtgg ctgctgccac tgcagtagca gctgatgctg    420

cagtggcagc tgctcatgct gtagctgctg tgatccgttt gacttctgct tccaatggaa    480

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<210>      3364
<211>      554
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220055e08a1

<400>      3364

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tcactgcgcg acccaattcc atggcggctg gccctacaac aacatcaccc tccgatcgac    120

ccaccatggt ccctccccca atgctcgtct ccgactcctt cgccaaggac gccatcctcg    180
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cctggttccg cggcgagttc gctgccgcca acgccatcat cgacgccctc tgcgcccacc   240

tctccgcctc ctccgcccac gattacgacg ccgtcttcac cgccatccac cgccgcaggc   300

tcaactggat ccccgtcctg cagatgcaga agtaccactc catcgccgac gtcacgctcg   360

agctcgccag actcgacgac agaaaccaca actctgccgc cgacgaacac gaaaccgacg   420

acaaaacgac gccgtcggag agtgtcggaa atggtggtgg cggtgacgaa cacgaggagt   480

atgagtcccn cgagagcgag attactgatt caggatctca agaaatgcct gctagtccca   540

tgaccgtaat atat                                                     554


<210>     3365
<211>     593
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220055e09a1

<400>     3365

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gtgttttggc aggaaggtgg tatggcgaag gacgttgagg ttgctgagcg tggctccttc   120

tctgggaagg actaccagga ccctccacca gcaccactca ttgatgctga ggagctcaca   180

aagtggtcct tttacagggc tctcattgct gaattcattg ccactttgct cttcctctac   240

attactgtgc tcacagtcat agggtacaag caccagactg acctcaagga aaatggtgaa   300

atctgtggtg gggttggcat tcttggcatt gcatgggcct ttggtggcat gatcttcatc   360

cttgtctact gcactgctgg gatctcaggg ggtcacatta acccagcggt gacatttggg   420

cttgttttgg ctcgcaaggt gtctttgatc cgagccatca tgtacatggt ggctcaatgc   480

ttatgtgcta tctgtggagt tggtttggtt ttcgcttctc aaaagttcta cttcaacaag   540

tatggtggtg gggctaattt cctcgctgct gggtacagca caggtactgg att          593


<210>     3366
<211>     531
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220055e09d1

<400>     3366
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ctcactaaag ccaaataaaa gaaacataag atgatgtaca atgctaaaag tatatgtttg   60

tcgttaatta gataccctgc taacttaacc atattcaaac ggcaaaccaa attgatattt   120

aacataaaaa ctgaacggaa agtgcttttt catttgatac tgaaccagat taccagccca   180

tcagtgttct tctaactttg tcaacaatct gagttcttgc ttggcttctg gtcaatggaa   240

agtcacggct ttcctccaac aaaaatctat acacttccca ttgacgttct tgtgttgaat   300

gtctaacaac ttcagccgag aaaatgccta ctcccaacgc ttttaaagtc aacgtaacat   360

catagaatac acggggtctc ccctttccac tcagctccac aggattagca accagaagtt   420

ctgtgtctgg accccggttc actatcgtca cccgcaacgg atgaagcatc tcttctttaa   480

gcatgaacac aaggttntct ggctttagga tctatgatct ttttccatcg t   531

<210>   3367
<211>   640
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e10a1

<400>   3367

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cttttagct tcagagggta aataaaaat ggaggttttg gtgggtcccg ctttcaccat   120

cgacgttccc tcgtctccgc cgcagcatgc cggttccgat gatcggatct ttcttaacgt   180

gtcacccgaa gaaggtgatg ggtcgaactt tcgtatttcg ggcccaccca agttcttcgc   240

cggcggcgag tcggagagtt cgtcgtcgat cggaacccct gatgacagcg acaacgagga   300

ggaggaagaa gtgcagagcc agttaaagat acgaactggg ttgggttctt tggatgcttt   360

ggaagaatct cttcccatca agttaattcc tttaattttc tcttttcatc ccgcttcttt   420

gatttgattc tcgtaatcat cgaatgcttt tctttaaccc ttagattaga tcctttctat   480

tttgagtcgg atataattat aatattcttt tcatttattt ttggtggtaa taagtaataa   540

ctaatactaa ctagtaaagt agtaactggt gtgtgtgatc tttggtaatt cgatcttgga   600

ttatggaatc tgatacggta tcgtttggga tttatggtag   640

<210>   3368
<211>   524

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e10d1

<400>   3368

ctcactaaag ccaaataaaa gaaacataag atgatgtaca atgctaaaag tatatgtttg   60

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aacataaaaa ctgaacggaa agtgcttttt catttgatac tgaaccagat taccagccca   180

tcagtgttct tctaactttg tcaacaatct gagttcttgc ttggcttctg gtcaatggaa   240

agtcacggct ttcctccaac aaaaatctat acacttccca ttgacgttct tgtgttgaat   300

gtctaacaac ttcagccgag aaaatgccta ctcccaacgc ttttaaagtc aacgtaacat   360

catagaatac acggggtctc ccctttccac tcagctccac aggattagca accagaagtt   420

ctgtgtctgg accccggttc actatcgtca cccgcaacgg atgaagcatc tcttctttta   480

agcatgaaca caaggttttc tggctttcag gatctatgat cttt   524

<210>   3369
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e11a1

<400>   3369

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ggaaaagggg gcagaaggca ttgctgctgt tgattttcga ggtcaccctg tggacaagac   180

aaaaactgga ggatggctag cagcagggct catcttaggt actgaactgg cagaaagaat   240

atgtgtaatg ggcataagca tgaacttagt gacctacttg gttggagttt tgaatctccc   300

ttcagctgat tctgccacca tagttaccaa tgtcatggga actctcaacc tgcttggcct   360

tcttggtggc ttcatagctg atgccaaact ggcagatac gtaactgttg ccatatctgc   420

aatcatagct gctttggggg tgtgtttgtt aactgtggct acaaccattc ctagcatgag   480

gcctcctgtg tgcagcagtg tcagataaca acaccatgaa tgc   523

1355

<210>   3370
<211>   447
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e11d1

<400>   3370

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gcaaaatata tagaaagtgt tgattgatta atttgacttg tttaagtgtt caatatagct    60

gatgaagcca tcgctctctc tctctcccac cctttcctta tacttctgct tatattctcc   120

tatagccaat tctataaaga aaaagatggc tatttggagc agcaattatt gagacaagga   180

tgcctatata tacatgattg gccaaatgta tttgtccaat tgatacaatc aattatcagt   240

cagaagcggg gtctcttggc ttccctctat gtcattactc gaactagtat cagctggctt   300

cagcaagcaa gcaaaacaaa gagaaattat catgcatatg gatgcacata taatgctaaa   360

acctttgcat tcaaaaggag cattgctaga taaaaaccat gaagtcaatg gacctcatag   420

cataggagat agcaaatcag atatataga                                     447
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<210>   3371
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055e12a1

<400>   3371

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gagtactttt cgttcttgat ctgttggtta cgatgtcgta ttcaaggaga tctaggtatt   120

ctccttctcc ttctccttct ccatacaagc gatacggtag gtctgtgtcc aggtctctct   180

caatatcaag atccagaagc cgttcaagga gtttatcaag agatgcagaa aatccaggaa   240

acaatttgta tgtgacagga ttgtctccta ggattaccaa gagagaactg gagaaacatt   300

ttgctgctga aggaaaagtg atagatgtcc atctggtagt tgatccttgg acaagggaat   360

cccgtgggtt tggctttgtg acaatggaga ctcttgagga ggctgaacga tgtgtaaagt   420

atctgaatcg ctctgtactt gaagggcgtg tcatcacggt ggagaaggta taatacttac   480

ctagctatgc cctattttgt gtgcctggga ctttattagc tatgattttt ta            532
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<210> 3372
<211> 500
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220055e12d1

<400> 3372

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gacaactatg gattatttta tttatatacc aaagtaatca tacaaataaa atattttgaa    60

ctaagatggg gtacatctag attttgtgta ccaactcctt aaaaattgtc tctataccct   120

gcttctgcta ttggaagcaa tggaaatcct ctgatcctga agcatgttca agttgggagc   180

cagcaaccgt gtgtaccggt caaagtacaa gagctgtttc aggagaagag caaattctct   240

aggaaacttc aatccatatg attcactaac ccgaaccaca tcaagaaaga gtgcattcat   300

ctgcctctca tcaacaacta tattagcagc aacagcagtt gcatttgtgg ctgttccagt   360

tgtagttgct acaactattt cagtgtccaa ttccttaatt gatgagaata cttttttccaa   420

atctcttgca aggccttagc atcaacatcc tggtttgtag cacccatttc aattaaggaa   480

gatgccattg agtcataatc                                                500
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<210> 3373
<211> 508
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220055f01a1

<400> 3373

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aacaactctt tccttgaaaa acataaagat tctttgatgc atcgagcagc ttttgcagaa    60

atcttgcaca ttttggattc aaacagaaag tctgaggctg ttaagttcgt tgaagattca   120

acaaataaca tagtgcccag aaatggagca cttggaccaa tcagggaatg gaatcttaca   180

gactgtattg cagttcacaa gcttcttgaa acagttcttg ctgatcagga tgctggattg   240

agatggaagg tgcgttgtgc agagtatttc ccatattcta catactttga gggatgccac   300

agctctgcct ctcccaactc ggccttcagt cagttacgta agaactctga aaatgagagt   360

ctaaaccatt cagtggatgg tcaaaatgtg ggctccatca catcaaacgg gaaactagag   420

gcatttaaag atctcactat ctgatcaaat caaatacatc catcaggcta aagacacgtg   480

cgtgttaccc aatttggatg cttataaa                                       508
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1357

<210>   3374
<211>   476
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f01d1

<400>   3374

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gtcaagtcaa gcattatgat acatcagacc ccaaaatacc aacaacacta ctcagctgag   120

cagttattat atcgtacttt cacatgaaag tgtcataaag gcagataaaa gcatatacat   180

tcaacacaca cgaccataag gctcaagcac aaggcaatag tatgacttaa acggtgacac   240

atttcagcaa ttattcttaa aacactgcag attttctgaa tttgttcaaa atacaagagc   300

cttgttactg tagaaccaca cattcttgtg aaccagccac caccaccaca gtagggtgtt   360

cgcttgtgct gactgcatca acttcttttt tgacactttg aacattgaca tcctccaatt   420

caccacagcc aatggcttca aaaacaagat cattgacttc ttgaaacctc tcttga   476

<210>   3375
<211>   556
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f02a1

<400>   3375

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ttgaatgaga ggctcctcat actgtttgca aaacaaggtc gccaccacaa ccgttcttct   180

tcttcatcca tatcttcaca caggcttcaa agtaattcca gacacagaaa accaccctct   240

tcttctattc acaagatctt tgcttttggc tctctcttca ctcgcccaga atcccaccac   300

aactatgact atgatgatgt ctctcccact ccagaagagt cattcatctc aatcaagttt   360

gaagagaatg gggtggcatc gtgggaaaag agcacagtgt caaagaaggt gtcgtcgtgg   420

aaccatcaaa acaaggagaa caagagagtg atagagcatg ggaagtcacg tgacacgttt   480

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tgtgccacgt gggcac   556

<210>   3376
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f03a1

<400>   3376

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tcagaaaacc aaaaactata aatcccttat gcagtaccaa gcaccaaaat gctttcaatt   120

aattgacttc tgagttatca caacttggct caattctata ttagaaggtg aagtgtagaa   180

tagagctcca ttaacttaca accacatcgc cctcctcacc cattgcaact gcagctcgca   240

cagctaccct cctaatgtca tggagaaaaa gtctatgacc atttggaaga ggtggataat   300

agtcattctc tccatatttc aggtagtcct gcatcgtcca tcctacccca gctaacatat   360

catccaatat gtccaatgga tcttcactct tgggattgtc agatgtcagc atggtcactt   420

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a   481

<210>   3377
<211>   521
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055f04a1

<400>   3377

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aatcttcacc ctctcttcga ttttcaccgc caattctcaa acgccccaaa cccctctcca   180

ttcgatcagt ttcaatcccc gctgcaccag catctggttc tctggcccct gcagtttcac   240

ttacggataa tgcgctgaag cacttgaata agatgaggtc tgaacgaaat caagatttat   300

gtttaagaat aggtgtcaaa cagggagggt gctctggtat gtcatacaca atggattttg   360

tgtgccacgt gggcac   556

<210>   3376
<211>   481
<212>   DNA
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<223>   Clone ID: jC-gmfl02220055f03a1

<400>   3376

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tcagaaaacc aaaaactata aatcccttat gcagtaccaa gcaccaaaat gctttcaatt   120

aattgacttc tgagttatca caacttggct caattctata ttagaaggtg aagtgtagaa   180

tagagctcca ttaacttaca accacatcgc cctcctcacc cattgcaact gcagctcgca   240

cagctaccct cctaatgtca tggagaaaaa gtctatgacc atttggaaga ggtggataat   300

agtcattctc tccatatttc aggtagtcct gcatcgtcca tcctacccca gctaacatat   360

catccaatat gtccaatgga tcttcactct tgggattgtc agatgtcagc atggtcactt   420

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a   481

<210>   3377
<211>   521
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055f04a1

<400>   3377

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aatcttcacc ctctcttcga ttttcaccgc caattctcaa acgccccaaa cccctctcca   180

ttcgatcagt ttcaatcccc gctgcaccag catctggttc tctggcccct gcagtttcac   240

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gtttaagaat aggtgtcaaa cagggagggt gctctggtat gtcatacaca atggattttg   360

aagacagggc taataaaagg ccagatgatt caattattga gtatgaaggt tntgaaattg   420

tttgtgatcc taagagccta ctcttcatat ttggcatgca attagattac agtgatgctc   480

tgattggngg aagcttctct ttcaagaatc ctaacgcgac a   521

<210>   3378
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f05a1

<400>   3378

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aagaaaccta ctcaagttca tctagtttgc ggatagtttc aaaaacaaat ccaccttcag   120

cagaagaata gttagaccaa caggattgat tcttgctcat attttcagaa gcttcctgca   180

ttcttatcga atgaggtgct cgatagtctg aagaacggtt ggatcacatt cacttgatag   240

actaattttt tattgggacc atgttttgga gggcatgaaa cttctcatta attgggacca   300

agtcatggca accacagagc aacccggtca tgttacaatg cttctatgaa aaggagctat   360

gatgcccatc accgacacgc acatattggg cttggttgct aatttgaggc aaaataatga   420

aaggactttg atacgggcat gtgatcagat ctaaagagat aactttgtc tattttgggg   480

tgtttttttt ttacaagttc acgtcattgt tttccacgat ctca   524

<210>   3379
<211>   584
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f06a1

<400>   3379

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gaggccacaa gaaggaggag gagcacaagg gtgagcagca ccatggtgga aatacaaag   120

gggagcatca tggtgaacac agtactgaat acaaaggaga gcatcatgtt ggtgagcaca   180

agccggagca ccatggagga gaagagcaca agaggggtt cctagacaag atcaaggaca   240

agatccacgg cgaggagggt ggcgccaccg ccgagggcga agaagaagag atgaagaagg   300

agaagaagaa gcatgaacat ggccatgaca gcagcagcag cagtgaacag tgattagatt 360

atcttccact gctgcatcac ctatatatct tataaggtgt atgggaccat agtagtgagg 420

gctgtgtctt tctctttttt tcctacttgt catttatatt tatgagcgag agaaatagtg 480

cgtgtatctt gttgctaatt cgagtgctat tagtctgcgg tttcgttgtt cgtaacccct 540

ttgcttggtt atgctggaat gatttatcct taaagaataa atga 584

<210>   3380
<211>   61
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f07a1

<400>   3380

tctgaattcg gctcaaggag ctaataactt cattgctttt tcaccacaca tcgcatgatg 60

c 61

<210>   3381
<211>   314
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f08a1

<400>   3381

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cggcatatca aggataactg gagggaatca agaccagtca tttactacac actattgctt 120

ctcttgcttg tctggcttat ctggctcctt cttttcaggt tcttcctctt cctctttctt 180

ttcttcctcc tcttcatcct cttctggagg atctgctgtc aactgctagc tgctatggtg 240

tcttcttagg actatattga gggaattata tccggtcttc gtccaggttt attgcctttc 300

ccacttcatg ggga 314

<210>   3382
<211>   104
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f09a1

<400>   3382

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caagtgtgaa tcaaatagaa aataaaatat tcataatttt taat   104

<210>   3383
<211>   491
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f09d1

<400>   3383

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tattcaaatt agcttctgct atttcaagag tttgctgtgc ttcttgtgga tcaatgtcac 180

taccctttc cgcatcattt actaaaacag tgatctcatt attgtttatt ctagcaaaac 240

cgcccatcag agccatcgtt aaccattggt ctttaagaag acgtattctc aaaataccta 300

tatctacggc tgtggcaata ggcgcatgat ttggtaatac tccaatttgt ccgctattag 360

tagataaaat gatttccttc acttccgaat cccaaacaat tcgattgggg gtcagtacac 420

aaagatttaa agtcatttct tcaaattgct ctccatttct aagttcgtag ctttcgcagt 480

agcttcatcg a   491

<210>   3384
<211>   571
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f10a1

<400>   3384

gtctccaatg gcaagagcta ctgcaactac aacaacacca ttaagcaatc tcacgcgccc   60

ttcgcacacc aagctttgcc acttctctgc aaacaacgtt ccctttctc tccaaccctt 120

tcattccaga ttctaccaca accaccgttt aaagcccata atcaccaatt gccatggcaa 180

gctgaatagc tcaggtgggg gagaggcata tgcgatggat gaagcgggtt ttgacgagta 240

cgatggagtt gaagaggaaa gcgatgacga ggatgatgca gagagtagcg tggatttgtt 300

gatcagattc ttgcagagca tgtttaagaa ggtgtctaag cgggcaaaga aagcatctcg   360

ctctgttttg cccacagtga tatcgcccca gctcgtttct tttgccgttg atgggactct   420

gctacttgct tcactttctg ttgtcaaagc acttcttgag gtcatctgca ctcttggagg   480

tactgtattt gctgcaattc tggtcctgcg tgtgatttgg gcagcagttt cttacttcca   540

gtcaagtggg aatagcttca tcaaggggggg a   571

<210>   3385
<211>   172
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055f10d1

<400>   3385

gggttaatgg ggaaagttat gagtagatat aactggcgcg gcaacagacc caaaaacaaa   60

cggaaaaaga gcataagaac ccaaaagaca ggtaataata cagtggaaat aaaacaggac   120

aaaaaacagg gagaaaccaa gcaatcgcag caggagtact aaaaccaggc cc   172

<210>   3386
<211>   570
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055f11a1

<400>   3386

gcttaaggtc tacacaagtt ctctgcttct tctcccccta ttgacctttg gtcatcacaa   60

gcgaaaaccc acttctggat cttctggtgt aaaggccatt agaagcttta gaaattttct   120

aattgagttg gtgtatagtg ttgaaggggg tgaaatctgg agcccagttt gttagttgtt   180

actcacttca tctgtaagct cataggttga accctctttt tttggagact tacctgggaa   240

aagatgatga tgtttgaaga tatggggttt tgtggcgatt tggatatgtt atgtgtttct   300

cttggagagg gggatattgc tgtgagacaa actgaaccgg atcctgtagt tgaggatgac   360

tacagtgatg aagaaattga tgtggatgaa cttgagaaga ggatgtggag ggacataatg   420

cgtcacaagc gattgaaaga acaaaccaag tccaaggaag ggactgatgc aacatagcan   480

aggcaatccc aagagcaggc aaggaggaaa aagatgtcat gagctcaaga tggaatactg   540

1363

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aagtacatgc tgaaaatgat gaagtttgca                                570


<210>      3387
<211>      407
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220055f11d1

<400>      3387

gtaaaaagca agtaacatta agttggattg ggatacacaa gataattcac attatctgaa    60

gtacattgca ataacatata cttcaccaaa cacaaatcta aaaactctca aaagtccaca   120

agtcatcctt ttctttcatg ctcacttgcc ggggacgaag ttggtggcgt aggcccaggc   180

attgttgttg actgggtccg caaggtgatc agcaaggttc tccaatggac ccttaccggt   240

gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag   300

ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa   360

gctgccacca gggtagattg ggtcagtgac ctcaccgagg ggcccac                 407


<210>      3388
<211>      528
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220055f12a1

<400>      3388

caaaacattc aacaatgtcg tattttcaa ggggacgtcg cgacgacgac gacacggtgg     60

acgactacga cgagtacgac cccaccccat acggcggcgg ctacgacatt cacctcacct   120

acggccgccc cgtctctcct tcagaagaaa cctgctaccc actcggagcc tcttccgatg   180

aaaacttcga ttacgatcgc ccccagtaca cctcttacgc tgaaccctct gcttatggcg   240

atgaagccct ggccactgag tatagcagtt actctcgccc taagcccagg cccgctcctg   300

caggcttcaa tcccgccgcc ggatccgggt atggtaggaa gcaggagtcg gaatacggat   360

ccgggtatgg aaggaaggaa gaaggagaat acgggtcagg atatggtgga agaaaggagg   420

aatcagaata cggatccggg tatgggagga aggaagaagg tgaatatggg tccgggtatg   480

gtgggagata ggaggattct tgatatggat ccgggtatgg tagaaaac                528
```

<210> 3389
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055f12d1

<400> 3389

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agcaagcaaa aattggaaaa ccccattaaa accccaaagg gacataattg gggggaagtc    60

caaacctttt acataaagaa tcaaaaattc tttttccttt gaaagaaacc cggaatacaa   120

cagagaattt tgggggtcca aacttaattc cttttaaccc aagaattggc ataaaaaagt   180

tgtcccctcc ttccttttac ggttggggaa caagtaaaag ggggaaactt aaggtttttt   240

ttccaaattg gctggggaag acccttacc tttttgaagg gggtacccct tagagctaaa    300

aaattcgggg gt                                                       312
```

<210> 3390
<211> 489
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055g01a1

<400> 3390

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caacaactaa tcagtgggga ttgtgtactg ttatattggg cttctacatc tatttgggac    60

ttcatgagct tattgtcatc ggccttttat gccatatttc tattttacgt ctttgggctg   120

catcagtttg ttggacgggt atctttggac caacaatcct catgcttttg gaatatggac   180

ttgtaatcgc attattaact tattgcctta catttctctt ttttgaccat accatggcgc   240

ataatgtggc tctgttgatc cacttgatct ctggattgat actgatggtc atctcatatc   300

attatgggac tcatgccatc aacaatgaat gccaattctt taattaagaa tgtgctcaga   360

atatctcctg taatgtgttt cgctgatggt cttgctttac tagctctttt acggcaagga   420

atgaaagata aaacatgtga tggggtgatc gattggaatg ctactggggc tttcatctgg   480

aatcttgct                                                           489
```

<210> 3391
<211> 489
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<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220055g01d1

<400> 3391

agaaaagagc cacaataaat tgaattaaca taaaccaacc cagatgtgtg cctatgatac    60

attacaggtt aggttcaacc actagactta taaatatcat gatgagggtg taacagatct   120

ggtgttccgt ccaaagccaa gacctaagcc caagggagca ttgtcatttc tggttttgcc   180

atggttatta ttatggctac aatgcgtaga atgaacatga ccatgatttg ttttggagtg   240

ggtactgttg gaattggaat tcacattaat aacatgatgg ccatttccat tgccccttgc   300

atattcggaa tggttatgcg agtctccatt tgctaagttc gagcttcttg ccatgtgcat   360

cattcctata ccctcctctg agctacctaa ttcttcaatg cactcaatat cttcgttgta   420

accattgatc aagaaatcag aacagttctt cttgatacca tgatcatatg ggtttctgaa   480

tctaccacc                                                          489


<210> 3392
<211> 537
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220055g02a1

<400> 3392

ctggcgcaac ggggcaggct ggtattcgca ttgcacaaac gttgttaagg gaaggtttta    60

gtgtacgtgc tggagtcccc gaacttgctt ccgcacaaga acttgctcgt cttgctgctc   120

aatacaagat tatatcaaat gaacaggcaa agcgtctgaa cgctgtgcaa tcaagctttg   180

acaatgcaga cacaatagcc aaagcaatag caatgccag caaggtggtt gtcaccattg   240

gtcccacaga gaacggtcca accacagagg tctccgcatc agatgccttg caagtggttc   300

aggcagcaca gctggcagga gtaggccatg tggctgtcat ttacgacgag agcagcgccg   360

gggcctcaac ctacaatgtg ctggatggcc tctcatcttt cttcagcaac ctcttctcca   420

ggtctcaacc gttgactata caagagttct tgcagaaagt gattganacg gatgtcaaat   480

acaccttcat caagacaagn ttgaccgatg atttctcacc cgagagtttc tacaatg     537

<210>     3393
<211>     562
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220055g03a1

<400>     3393

atcgaaccag cagaatcagt ccattaaggc tcttaaggag catgttgatg atgcccctac    60

cattgcggat ccatggtttc agagttacaa ctctaatgac ttagaggtgg aaagctctga   120

aatgggttat tctgtggagg ctcttctttt gctgcagaag tcaatgctgg aaaagcaatg   180

gaacctttcc tttgaaagag aagtgcttac tgaaaattcg agtaagggaa aaaaatgtag   240

gaaagtggcg gtgacttgtt ctggggtgtc tgcaaggcaa agaagaatga ataccaagag   300

gaagaccgct attaaaactt gtggtgctat gcagctgaag tccaaaatca gtccagagct   360

gcttcaacac cgtttgaagg gctacgtaaa aggtctagtg agtgaggaat tgctctctca   420

tgcagaagtt gtaaacctat cggagaaaat aaaaagttgg gctttcctta gaggaacata   480

aattcagact gaaagaaaaa ctatgatgtg aaccctctga tgatcaaatg caacttcttt   540

gaagatttct cgaactgaac ta                                           562


<210>     3394
<211>     497
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220055g04a1

<400>     3394

gaaagaaatc aagcgccagg cgctcatgga cctcgtggac ttcatccaat ccggctccgg    60

caagataagc gagaactgcc aagaagagat gatcagaatg atctccgtca acattttcg    120

gtgcctcccg ccggcgtcgc acgaaaacac aggccaagaa cccaccgatc ccgaagagga   180

ggaaccttcc ttggaccctt cttggcccca ccttcagctc gtctacgagc ttctcctcag   240

atacgtggtt tcctccgaca ccgatacgaa aatcgcgaaa cggtacatcg accactcctt   300

tgttctcaag ttgctcgatt tgtttgactc tgaggaccca cgggagaggg agtatttgaa   360

aaccatactg catcgtatat acgggaaatt catggtgcat aggccctta ttaggaaagc   420

```
tattaacaac attntttacc gctttatata tgagactgag aggcactctg gtattgggga   480

gcttctggag attctgg                                                  497


<210>      3395
<211>      512
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220055g05a1

<400>      3395

gccggcgacg ccgtaatggc gcggtggttg cagtccgctg gcctgcagca tctagcctct    60

cccctcgctt ccaccgccat cgatcatcgc ctcctcccta accttctcat gcagggttat   120

ggagcacagt ctactgagga gaagcagagg cttttaaagt taatgagaaa cctcaatttt   180

aatggggaat ctggttcaga gccatataca cccaccactc aatctttagg tgtggctggg   240

tcggatgggt tttattctcc tgagttcagg ggggagtttg gagctgggct tttggatctt   300

catgctatgg atgatacaga gcttttgtct gagcatgtag tttcagaacc ttttgagcca   360

tcacccttca tgcctggaga tactagagta tctgaagacg atttcgatcc aattaacaag   420

cagctggaaa gcggtgaagc agatactgat gcatcaattt ccttacctat gaatagcaca   480

agggaaaata tggtgctaag ataaagttgt gg                                 512


<210>      3396
<211>      583
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220055g06a1

<400>      3396

ctcttctttt gttctttcca tcatctccca caactttctg gttgccctgg aatttccaac    60

actaattcac ataacccgaa gttgaatgtt aaggatctga cacttttttg agatagaatg   120

.agatgcatgt cctaagagta tttgccagac tttgtcggaa ttccattgta aattttcaag   180

tgaaatctgt tctggaaatt cctttgttc attgagattt ttagaggtgc ataagatttt    240

tcaagttttg aagatatatt tctcttgaga aaaaaagacg gattttgaaa ctctgaactt   300

tgtgcaagtc gtacgttaca gggacgatcg ctacttggcc atcgtctcag atagaagctc   360
```

tgaagtgtca ttattagttg agttttcggc atagatttac attttccata gctctggaac   420

tgaaatctgg acaattttcc taaacggttg aaccagagtt tcagcaggag cagatttagg   480

aaatagaaaa attggctcct tttcccctta gtttcagaag gattgattgc tcgacgactg   540

ttaattttgt aaggcacggg ttcaagagat gggagaagag tca   583

<210>   3397
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055g08a1

<400>   3397

atcttatgat gcattaagca aggatctgcg cccatctttg gactggtgtc cagaagaagg   60

ttggactgtg cctgttccta tgcctatggg tggtgaatgc aggcaacctt gtgctcgtat   120

aatgaatcca gcaaattcag atggaacagt aaaggttggc cagcatatgg caaggacagt   180

ttcttctcct ttgtctttaa atttgaaaga ctgtccagaa agatccactg cgaggagaaa   240

gcaatgcaac aatgctagaa atgatatgga gattgatgag tctggtagta aagttgaaag   300

tgtttgtttc tcaagtaacc gttcaaattc gcacataatg gatgcatcaa ttgagaaatt   360

cggaaaaggc taccatcaat ggtggatata atgagtatcc cacaaagaag aggagcgcca   420

gaagcctttg tctgattcca tgtcttccaa tacggtagaa gctgcactca tagacttgga   480

ggaac   485

<210>   3398
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055g08d1

<400>   3398

aaacaataca tttcattcaa tatataattt actggaaaga gattgttgta acatccataa   60

gcagttttaa cagaattgaa atagtgtaca aaaacagttt atttcaccac ctaagcaggg   120

cggcagggca gggggttgga gaaaaaccaa aatgctaaca caagcacatt gttctaacca   180

```
cccattttca gacatagcaa cctaagccat tacggtggat attcaacagt caacactacg   240

cactagaaat aggtcaggca acattaaata ttgtgctacc taatgccctc tttcaaatnc   300

aatgcgagtc ctacctgaac ctncctcgtt accatcccgc atagatgatc cagcacttgc   360

cctcatagtc ctttcaccac ccactttctc catggccttc ttacccttct cacctcagtc   420

aagaactgat ccaaaccaaa cggatcag                                      448


<210>      3399
<211>      575
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220055g09a1

<400>      3399

gtcgtcgtgg tcgtgtcgca gcaaaaccaa gccacccact aacttgtttg gtccaagaca    60

tggctctgat cctgcatgct accaaaacaa acaagaatgc cttcaagact ctgattgcgg   120

cagagtacag tggtgtccaa gtggaattgg cccctaattt cgagatgggt gtctctaaca   180

aaactcctga atttctcaag atgaatccta ttggaaaggt tcctgttttg gaaacgcccg   240

atggtccagt ctttgagagc aatgcaatcg ctcgttacgt tgctcgacta aagggtgaca   300

acgctttgtt ctcatcttct gccattgata atgcccacat tgaccagtgg attgattttt   360

catccttgga gatcgatgct aatctcatga aattgctcct accaagactt ggatttgccc   420

cataccttcc ttcagttgag gagggtgcaa attctgcgtt gaagagagca tttgaggcct   480

tgaacactca tcttgcctnc aatacttacc tttgttggcc attcctgtta cccttgctga   540

catcataaca acatgcaact tgtatttagg attca                             575


<210>      3400
<211>      447
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220055g09d1

<400>      3400

gccataatta catcaaattc tatacccctg ctttattgac atcaagtaca agaagtagca    60

gcttcactct aataatttcc ccaccttatt acctcaaata tacttacaat ataagtaaaa   120
```

```
aaaaacctgt tggtaatggt attaatattc atatccataa aaactttcaa catgacacag  180

aaaaaaaaat ggcagcttat ccttaaactc aactatatat aaaaaaaaag ggttacatga  240

attcaagtgc cgatggaatc agcactaacc caagtccaat aatgcttctt aacagaaaca  300

gcttcatccg caacaatttt gtcttcaaaa acccctccat actcatccac ctcgtaggtg  360

caaaaatccc cttcgggcaa acactccacg gtggcactga gcgtgtgcaa aacgtagcaa  420

ccgggcaaac ccgggtaaga acccgaa                                      447
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<210>   3401
<211>   533
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055g10a1

<400>   3401

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gtggaagcac acaacatgtt tggctatgag accattcctg aagagtgcgt tgaagcaaca   60

aaggaataca tccatggcga acaatataga tcagactaca aaacagttaa ccaacaagct  120

tacttttatg ccagagacct cgaagtccat tccaaggaca catttgtgtt cagtatagat  180

ggcaccgtac tctctaatat tccatactac aaaaaacatg gatatggggt ggagaaattt  240

aactcgacct tgtatgatga atgggttaac aagggcaatg caccggcact gcccgagact  300

cttaagaatt acaacacgct ggtgtctctt ggcttcaaga ttatattgtt gtcaggaaga  360

acactggaca aacaggccgt aacagaagca aacttaaaga aagctggcta ccacacatgg  420

gaagaattaa ttctcaagga tccacacgat ccttccactg caaatgcaga tgcatacaaa  480

acagcagcga gagagagact gatcatgcaa ggatacaaca tcggtgggat cat          533
```

<210>   3402
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055g10d1

<400>   3402

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aagttgaaag gcgttgattt atagtgataa ctaaagatta atcgttaaac aattaccaat   60
```

```
aataaaacaa aaacaagtga aagaatttac tctgccatca actcagttat ctgatttaac    120

aacacatttt ttcatcatat aaaacgagaa cgccgtattt taatttcttt caccaagcta    180

ccctgtaggc tgtgcagcat ttagaagcat ttcctgtgta caattgaagg accagcctca    240

tcgtactcag cctttgcaat ccacatctgt tggaaagtgc tgagagaagc caagatagag    300

ccaccaatcc agacactgta ctttctctca ggtggagcaa ccaccttaat cttcatgctg    360

cttggggcca aagctgagat ttccttgctc attctgtcag caatacctgg gaacatggta    420

gaaccaccac tgagaacgat gtttccatac aagtccttcc taatatcgac atcacatttc    480

atgattggaa tgtangtggt ttcatgaatg          .                          510
```

<210>   3403
<211>   581
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055g11a1

<400>   3403

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agttttgttg cagagcttag cccaattctt gatgcgggta aaggtgatgc cctgagctcc     60

actggtgatt taaacttacc atctcacccg acagcagctg aggaaccatt acgacaagca    120

gatgtgcatc accatcatca tcaaagaatt tctgcggagg attcttcaag aagttctaaa    180

gttgaggtgg gtacaaagaa cggtgtttca ggtaatcaat gggattcagg ctcagaaaat    240

tcacccattg ttccatcccc tggaacattg ggcctggcta tagacaccac ttggagactt    300

ggcttagaga atacacactt gggatggagt ggaatagatc aaggaaatgc aaatgtgggt    360

tggggagtag gacagactgc agtgcaggaa aacagaagtt caagttcgta cacttctaca    420

gtaactccag gccttgggga tagtcaaaca agatatggca gtgatcgatt ttctgtgtcc    480

agagatcggc gttttcaagg tcatggtagg gaatcaggtt tagtagaagc agaattctta    540

taacaggcaa ccgtcatatg gtgttggaaa tgaggatcat a                        581
```

<210>   3404
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055g11d1
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<400>   3404

cattgattgc cgagattcaa ccatgttata ttgagacaat caatcaagta cacaactcac   60

agcaaaaagg tttataagct gtaaaggtac atgtaaccat aaacaaaaat agtctccaag   120

actataaaaa cattacattt tagacaaatt agtcttcttc cacttcatcc tccgtcaaca   180

cctactacaa ctgctggtgt tgctgctgcc taacatgtat catattcact acaaacatct   240

tagtaggagt agcctttgac gaacaactcc ttcttggctt cctcagattc accctcaccg   300

gtgtacttcc caagctgggc gagcgagttg gacttggcac ggaaaagaag tgcatcttgt   360

gccgccttca cattctctgg gcggcctccc catgtcttca ggcagtgttt tggagggctc   420

tggcatacga gaacgacacg tgccacgggt tt   452

<210>   3405
<211>   538
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055g12a1

<400>   3405

ccaaaagaac aacatggaca ttgatctttc tcctcagttg cccaagaaag tttacggtgc   60

caatggtggc tcctactacg catggtcccc ctccgacctt cccatgctcc accaaggcaa   120

cattggtgcc gctaagcttg ctctcaacaa aaacgccttt gctcttcctc gttactctga   180

ctcttccaaa gtcgcttatg ttcttcaagg tagtggagtg ctggaatag tgttgcctga   240

atcagaagag aaggttgttg caataaagaa gggtgatgcc ttggcactcc cctttggtgt   300

tgtgacctgg tggtataaca aggaagaaac tgagttggtt gttctgttcc ttggggacac   360

ttccaaggct cacaaggctg gtgaattcac tgactttttt ctgactggtt ccaatggaat   420

cttcactggc ttttccaccg agtttgtggg cagggcttgg gacttggaag agagtcatgt   480

caagaccctt tgtggaaaac aaccagccca agggattgtg cagctggaag gaaacatc   538

<210>   3406
<211>   506
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055g12d1

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tttaaggtca atctatttac gcgtctggat aatattttc cttgttcact aataaatcga   180

ctaattaaac ccatgttttt ataatcaatt cggtcccccg attggatcgg gggcaaacgc   240

ctacgaaaag atcgcttgga tttcataaag agtcgcttag attttttccat ggtttattta   300

tccctattcc aaaatcacat ttattacaag aaatactata aaggatttgt tttttttattc   360

tgactntttt aatatantgt tgtattttttt taatatatgt tgntatatac tgatatttgt   420

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gatcatttta catgttaagt tctttg   506

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h01a1

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atggatttcc attgccatgg ccgagaagtg gttaccatac aaggtctatg gccttgatat   180

caatcctaga gcggtcaagg tttcctggat aaacttatac ttgaatgctt tagatgaaaa   240

tggccagcta atctatgacg aggagaataa aactttgctg gatagggtag agttccatga   300

atctgatctt ctatcctatt gcagggaaaa agacattcaa cttgaaagaa ttgttggatg   360

catacctcag attcttaatc caaatccaga tgcaatgtct aagatgataa cagaaaatgc   420

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ccaatttggc   490

<210>   3408
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<213>   Glycine max

<223>   Clone ID: jC-gmf102220055h01d1

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acacagatat tactaagcca attcgtcttc cattctttcc ttcttctctt ctcttggtcc   180

aacaactata agaaactaaa tcaagctagt aaaaatctcc catgttcatc agcaaaaacc   240

cctaatttaa cagaacatct tatttgccaa atatgtcact gcttctactt gcaagttgca   300

acactctact ctagaagaac atgggcttca ttttctcctc actctatggt taagaccttc   360

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ccatatcctt gtgaaatgcc t   441

<210>   3409
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220055h02a1

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atccccaatc cccgaacctc ccaggctcgg actcgcttcg gagcgcgacg ctacctcaa   180

ccacaacaag gacaatactt tgcatgagaa tgccgagcct caggaagcgt cgttcggggga   240

aaatgttttg gattttgaag gtagagagag aagcactagg gaatccacac cttgcagttt   300

gataagggac tcggatactg tcaggactcc gggttcaact accaggccta cttgttcagc   360

tgaagcttat cgaagaacag agcatgcagc tagaaggcaa atcccaacct cccgtgaaat   420

ggatgaattc tttgctgaaa ttgaagaggc tcagcaaaaa aaattcattg agaagtacaa   480

ctntgatcct gtgaatgaga agccgctctc agggcgctat gaatggngaa aagtgaaacc   540

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<210>   3410

<211>   556
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h03a1

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tctcaaatta aaacccaata acccagatag atagatagat gtatgtgatc ttgttgtttt   180

ttcttttttca aatgctaatg cgattgtgag tcccttcatt tgattgttca acaaagtcct   240

ccactaccct acccacacga cgtcgtctcg ttcttaatgg gttaattttc tttttccgtt   300

ctgattcttc tggggctcca ctgagtgagt gtgttagttt tgtttttgtt ttgaaaaaat   360

ggcgagagag acgatagaca aagtgagaga ccatggggaa ctggaggagg agctagaatt   420

gttgctggat gagatccctc acgccacatc acacaatctt cttcgccacc atcatcatca   480

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tggtcacgct catgct   556

<210>   3411
<211>   553
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220055h04a1

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tcttctcctc ccctcactcg aaagatgagc acggatgcgc agagtattgc ttcccagctt   180

aatagttctg gattgttgag gactcagggc cttattgcag ggaaatggag tgatgcttat   240

gatggtaaaa ccataaaggt ttataatcca gcaactggtg aatctgttgt agatgttgca   300

tgcatgggtg gaagagagac aaacgatgca atttctgcag cctatgatgc atatggatct   360

tggagccaaa ccactgctgc tgaacgaagc aaattactga ggaaatggta tgatttgcta   420

atggtacatt aaagatgaac ttgcacagct tataaccttg gagcaggtga aacctcttaa   480

agagtctgtg ggtgagatag tctatggtgc tggctttatc gagtntgcag ctgaagaggc   540

aatacgtata tat   553

<210>   3412
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h05a1

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agatatcttg actgggttca agatgcatgc tcgtggttgg atttccatct attgcatgcc   180

acctcgccca gcatttaagg gttctgcccc tatcaatctt tctgatcgtc tcaatcaggt   240

gcttcggtgg gccttaggtt caattgagat ctttcttagc aggcattgtc ccttgtggta   300

tggctacaat gggaagttga agcctctgat gaggcttgct tatatcaaca ccattgtcta   360

cccatttacc tcaatcccat tgattgctta ctgtacgctt tctgcattct ggcctctcac   420

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cggctccatt tttacacttt aattc   505

<210>   3413
<211>   567
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h06a1

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ccaatccaac gcttcttcct ccgccgcccg ctctcctctt tccggcgggc actccgccgc   180

aggtccccgg cgtactccct ccctcattcc gcccgctcgc tccgcaattc tcccccgtcc   240

cctcgcccaa cccggccttc caaagccctg ccgttcctcc gcccggcgtg accggcgccg   300

ccgtggcagt tccgccgacg cagatgcagc agatgctttc gtaccagatt caacccggta   360

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atccggccct gcggaccttc gctccgatcc ccaacggtta cgctgcagct ccgaccataa    420

ctcccgcggg tgggtcattc attcattcat tcaatcgttt gatgttcctt tgtgaatccg    480

catttaaatt cgatttaatt tagtgtaatt caacgctcct tcgttggatg cttcaatgtt    540

tatgactttg gattattagt attatca                                       567
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<210>   3414
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h07a1

<400>   3414

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gaagagttta tgaggaaatt taccaggagg atcttgtgaa gcgcctagag tctgagatca    240

aaggagactt tgagaaagcc gtgtaccgat ggatactgga acctgcagat cgtgatgctg    300

ttttggccaa tgttgccatc aagagtggca aaaactacaa tgtcattgtg gaaaatgcca    360

ctatcctctc cccggaagag cttttggcgg ttagacgcgc ctatctcaac cgctacaagc    420

actccttgga agatgatgtt gcagcttata cctctggcca tctacgccag cttttagcgt    480

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<210>   3415
<211>   615
<212>   DNA
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<223>   Clone ID: jC-gmfl02220055h08a1

<400>   3415

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cagagtacag tggcgtccaa gtggaattgg cccctaattt cgagatgggt gtctctaaca    180

aaactcctga atttctcaag atgaatccta ttggaaaggt tcctgttttg gaaacgcccg    240
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atggtccagt ctttgagagc aatgcaatcg ctcgttacgt tgctcgacta aagggtgaca    300

acgctttgtt ctcatcttct gccattgata atgcccacat tgaccagtgg attgattttt    360

catccttgga gatcgatgct aatctcatga aattgctcct accaagactt ggatttgccc    420

cataccttcc tccagttgag gagggtgcaa attctgcgtt gaagagagca tttgaggcct    480

tgaacactta tcttgcctac atacttacct tgttggcatt ctgtaccctt gtgacatata    540

aaacatgcac ttgatttagg atcacccgct cttagtaaag cttaccttga gttcctacgt    600

tgacgatctt tggac                                                     615


<210>       3416
<211>       403
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmf102220055h08d1

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ctgtttgata ataaattaat actaataact actatatgtt tatcttatac gtaaaattta    180

acctgcaaat taaagtgcat acattcctct atgcactgag aatctataag ccgtatcgaa    240

gatcctattt gaagaagaac cattatcctt taatcctgtg gcagagattg ctcctccatt    300

ttacttgttc tcaccatctt tttctttttc ttctgtgtca tcaactacat taaaagctgg    360

gtgtttgaga acgttgttga gcaactgtgt ccctctgaga gcg                      403


<210>       3417
<211>       405
<212>       DNA
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<223>       Clone ID: jC-gmf102220055h09a1

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tcccatggga gacctacatg tccaccaagc tcatctcagg gacgagcctt cagctcttaa    180
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ggcgctacga tcaccgacca gaaagtcaca gagcacagct gctcgatgat gatggtccct   240

cttatgttcg cgtgtttgtt cgtgttttgc gtgacatttt caaggaagat actgtggagt   300

atgttttggc actgatagat gaaatgcttg ctgcaaaccc gaagagagca agactgtttc   360

atgatagtgc ccttgctgat gaagatactt atgagccttt tctaa   405

<210>   3418
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h09d1

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tatatacagg aaaaatagtt acatgaatca ctttggcagt cgtgtagaag tagaaggccg   120

taggaagcaa atttatgaaa tcttacttct gggaagtatt ttgtctcaac aagggatgat   180

caggtattct tctctaagac agagagtgct ggtgtcaagt agttatttgc tttgtcgggc   240

aagtgtgcaa ccagctcata aagctccctt ccatcctcag caatatactc gtaacataca   300

tcaaagcttt tgttccttgc agttgtatca tgtagtgcct tcacacatat atcagctaca   360

tcagcacagc tgatgccctg agatattctg tttccttgat caaatattag agcacgct   418

<210>   3419
<211>   518
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h10a1

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ttgtgctgtg tttttgtgga aaaagtcaaa tcattctgga attttcattc atttgagaga   120

aaagagaaaa acaagtgttc tttgaatctg ttgaaggtgg tgatttgatt tgatttgaat   180

aattcacata accaattcat ctattcatta tctctccgat ctttcaatgg attctgactt   240

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ctctcactta gatcggttgg gaatcgatga ttttgatatg gaagaagagg tgagacccga   360

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<210>   3420
<211>   492
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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tatgaaacta aacacataac ttgcgagcct caagctagcc ctagtagtat taggtcttca 180

ttcttgagat caatttgatt ctctcaacgt ggctttggat ccacaatctc agagaaaaca 240

gtcccagaca tcaacttatc actctctttg tagctactac taagctcttc gctatcagta 300

ctcacactca ccacaccgct actcttgtta aaatccgaaa cctggcccac actggttcca 360

gtactaaaca aatcatcact agcctcctnc tctcttctct cattaatntc attatcaaca 420

atattagtat tttcacgctg ctcagcactc tcctgcaact gcaacgcana ctccagcatc 480

caaacgacgt cg   492

<210>   3421
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h11a1

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tggagaagag ttttgccttt caaacaacaa aggaggacac agaaagcaac aatcttcatc 180

aatatactca tcttgttcac ctcagctcac tccttccttc atcttcctgc agctcttctg 240

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ccaaaggtcc caaaagaaaa gcatcattag aagtggtaca caaacatggg ccatgctccc    300

aactgaataa tcatgatggc aaagcaaagt ctacaacacc acacagtgag attctgaacc    360

aagacaaaga aagggttaag tacattaact caaggatctc aaagaacttg ggccaagata    420

gtagtgtgag tgaattggac tcagctacac taccagccaa gtctggtagc cttattgggt    480

ctgggaatta ctttgtggtt gttggctttg aacacccaag gggacttgta ctcatctttg    540

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220055h11d1

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ggaactgctt caagagtaga aggaagtaaa agaacaccct atgacacccc tgctatgcgg    180

aagttattgt tagatgattc ccaacttcag cagagaaaaa gaatggcaca taaaaagcag    240

gcaatagatc gtggcaggcc aaaaagatag accgaaaaca ggattacatt attggtccaa    300

gtatgcaggg agaatatcaa acgaagaaat gagaaatcct cgcctctcag cagctttacc    360

ctttgcaatc tttgcacagg gggttgacaa ctgatcataa ctattttcag attgcctact    420

tggagtatgt ggttggtcca tgaagcttgt ttcattatac agctcggtgg aagataaaac    480

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<210>   3423
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h12a1

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tggagaagag ttttgccttt caaacaacaa aggaggacac agaaagcaac aatcttcatc 180

aatatactca tcttgttcac ctcagctcac tccttccttc atcttcctgc agctctt 237

<210>   3424
<211>   441
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220055h12d1

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agaactaatc caagcagtgg gtgggtaaac caccacgttc actaccacat gtaacattta 360

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ccaagaatcc actggaaaat t 441

<210>   3425
<211>   515
<212>   DNA
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<223>   Clone ID: jC-gmfl02220056a01a1

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tcagtcgttt tggcaattca gtgaccagct gaggttacag gcatccaatt tggcgaacct 180

ttctctaaac gattcgattt ggagcaacaa ttacatctcc aagaggcgtg atgaaaggat 240

taattttgac atcaaagtgg ggggtgagat caactctttc aagtcaaagg atccagcttg 300

tgattacaac gataacgtga atggatctct tcttgccatg ccttacaaca acaacaacaa 360

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caacaacatt attttgggtg ttggtggagt tggtctcaat ggaggcttca acaagggaat    420

ttactccaag cctgcctttg ccaatctcaa caacaatatt aatctcaata tcaatcctaa    480

gggacacaag ggcaagggtt gaagatgagc ttttt                                515


<210>       3426
<211>       485
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220056a01d1

<400>       3426

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gtgcctgtgc cctccccaga gttttaatta ttattattat tattaaattg ggccaggagt    180

atgtatctta gcaggagaat acataaagct taaggtttct cccaatcatg agatatacat    240

tataatacaa gattaagctg gaacagcttc cggcactttg ccattgcttg agagtactaa    300

gctatcatag tattcaacca gtaccttcca accaccaggg cacataaatc catcaggagg    360

gctttctttg gtccttgcca gtgtgcgcat ctttgtgcct gatatgaaca ggaagtcctg    420

aggccttgaa gggtcaaaga atgccatttt accctgagtc ttgtcatatg cagcaaccct    480

gaaag                                                                 485


<210>       3427
<211>       469
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220056a02a1

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tttgaatgcg ttgaatgagt ttgatcccaa gtattcgggt gtggactgga ggcagaagtt    180

ggagactcag aggggtgctg tgttggccac tgagcttaag aacaatgcaa ataagttggc    240

taagtggact gctcaggctc ttttggcgag cgcggatacg atgaagttgg ggtatgtgtc    300
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gaggattcat ccccgtgatc atttcaatca tgtgattttg gctgtggttg gatataaacc   360

cagggacttt gcggcacaga ttaatttgaa cacgacgaat atgtggggga ttgtgaagtc   420

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<210>   3428
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220056a02d1

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cataagttta catgctcggt agcagacagc caaaatggct gattactatt atttacaaag   180

gaaacagatc atgagccact acacttgtct tgactccctt ttaacccttt catttttatg   240

ttcaagtggg aaaaagcagg gcacacgaat tggatttttc atacaaatga ccaatttatg   300

aaagagaaag ccaagcagtg aacatggttg tcttcccaag taggaacttt tccatgcaat   360

ggcttggtca tatgacacat ggcgccccat cgtcgacatg cagatttcag ctggcagatt   420

agcaaaaccc tgctccatta acttggcaaa gtctgtacac aatgccttgc gtncagcctc   480

atcanatatt ttatccaatg tgatatcttg taaggcaaac ta   522

<210>   3429
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056a03a1

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cttcttcttc tgcttcggtg ttttcaggga gatagggata ggagtaacaa agggagagtg   180

caatcagttt ggttcttcgc ttcgggactc gaatcttcga tgcctctctg tttttttcttc   240

tctgccgcct ctttttctgt tctcaaatta gggtttctgt gagagtgcct cttttctcga   300

1385

ttctccgcaa actatcatca ttgtaaggga aagcgatttg cgtttggaca taatgtcgcc 360

aaaatatcag attctccaca atcgccccat caatcagtgg aaggttacag agctgaaaga 420

tgagctgaag aggaggaaga taagtaccaa gggtttgaag gatgatttgg tcaaacgttt 480

ggacgaagtc cttcgtctgg aaaaggaggt tgatgaggct tctg 524

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<223>   Clone ID: jC-gmf102220056a03d1

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cttgtaaatt gtaattgctt cttcagaaat agaattatac aaaggtagtt gcaatatcta 180

tttgccaaac tataaatgta aagacccttc ttcccaatcc tagtagtgtc ccaattgtat 240

ttacaaaggt gggacaagat atgtatatac aagtacaacc atgctcgagc cgaatcggct 300

cgag 304

<210>   3431
<211>   596
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220056a04a1

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cgttaatagc attgtatact gaggaaaact ttccagtcat tatttcaaca gcaagtgtac 120

agagctattg agagaatata tgacaggtac agaactacag atcagagccc gtgtttttgt 180

aaagagtgat tgcatcctgt ctatctagat ttggggcaca attcaatgag tatttgcaca 240

attgcttttg gctaattttg cccggagcag agattggctg gctgagcagc ttcggactac 300

ttgcaaatga attcttacaa tagaggtata agcagcaaag aattgtatcc ataagctgct 360

gatgctttcg ttttgcactg ctctcgcggt agatatagtt ttcaagagga ttcacttgca   420

acaattcatt gtgggacaac aganagatca ggcattttat ggaagaaata accgtgtcct   480

ttaatttgga ttcatagtca gatgtgtggt agttgctcag gaacatgttt aagttaatca   540

agccagctga catagaatat atgtatttag gaatcaattt acccttcaaa agccta   596

<210>   3432
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056a04d1

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caaatactaa tttgttaaga attaatcgaa ttgaggctat agcatcatca ttagctggaa   180

ttgaaatatc ggcgaggtcc gggtcacaat ttgtatcgat aaacaaatt gttggaattt   240

ccaaagttat acattctcga agagccgtat attcttcttg ttgatcgacg attattacaa   300

tatcaggtaa ccccgtcata tatttaatgc cgccaagata tgtttccaaa tgagctaaat   360

gtctcttcaa tatagcggca tctctttttg gaaaactatt gagtctcccc gttttttgttg   420

cattctcaag tccctgaact tttgaa   446

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056a05a1

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tgtggcccca tcattgacaa cattgctatt aagaagcttt tcactcctga taaacccaaa   120

gacaacgcag tgatcaatgg ggattttgaa gagggtccat ggatgttcag gaacacttca   180

ctgggtgtgt tgcttcccac aaatttggat gaagaagcgt cctcactacc cggttggata   240

gtcgaatcca accgtgccgt ccggtacatt gattctgatc attactctgt tccacaaggc   300

1387

aggagagcca ttgagttgct ctcaggaaag gaaggaatca tatctcaaat ggttgagacc   360

aaaccagaca agctctacag cttgaccttc tcattgggtc atgctgatga caagtgcaag   420

gagcctcttg ctgttatggc ctttgctggt gaccaggctc agaacattca ctacactccc   480

aattccaatt ccaccttcca aactgctaac gtcaatttca ctgccaatgc tgagaagact   540

agaattgcat tctatagcat atac   564

<210>   3434
<211>   525
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056a05d1

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tagcatattt taactgtcat ggtaaattat tattacctac ttcactgttc caaagaacaa   120

tctgattatg ttttacagca cggaaaggag cgcagataag caaagaaatg gatttgtatt   180

atatactgta catgatgctc cacatccatg caaaggagaa attttttcca tcaagttgcc   240

tgcaataatt ctctgatatc gtacccttga agctgcagaa aagtaagaaa taatataact   300

cctgagttcc aaaaagaatg gatagtgatg ggagtgagaa ggttgtgagt ttgagcatat   360

gaaaacccca aagcagtccc tagaacaaac aattggggaa attcttcagg agtgagatgt   420

gcaagggcaa aaacagcagc actaatgaca acagcaactg gcgtaggaac ccacttagtg   480

agggaagtca ttaaaaatcc ccgaaaacag tcttctcagg agtgg   525

<210>   3435
<211>   461
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056a06a1

<400>   3435

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attacaacaa cttaaacgat ggcaggagga gcttatgtag attcgggaaa tgcaaagcaa   180

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tttgatggga aggtcacggt attcgtattg gttacatgct ttgtggcagc catgggaggc   240

ttactcttcg gttatgatct tggaataacc ggaggagtga cttctatgga accatttctc   300

atcaaattct tttccggtga ttataaacaa atgcatgatg atgttggcca tagaagccaa   360

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atagtagcta ctttctttgc tttcaccact acaaggatga t                       461


<210>        3436
<211>        353
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220056a06d1

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aaaaatcccc aaaggggggg gcccgggaat ttatccaatt tttccccaaa aaaaaaaaaa   120

accccatttt cgggaaaaaa aaaagggccc ccgcccatgg cacccaaaaa aaaacccctt   180

tttaaaaggg cccccattc catttttgggg aaaaaaaggg cccccaaaaa ccagtccccc   240

ccattaaggg gcccctttta ggcccccga aaaatttggg ggccccattt ccacccccca   300

cgggggcccc cctaaaacaa atgggcccccc aacccatttt tggggcccccc ccc        353


<210>        3437
<211>        466
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220056a07a1

<400>        3437

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ttcgtactat aggtgtcgtt ggacccaatg ctgatgctac cgttacaatg attgggaact   120

atgctggtgt ggcatgtgga tataccactc ctttgcaagg aattgcgagg tatgtgaaga   180

cggctcatca agtggggtgt aggggtgtgg cttgtatggg aaatgaacta tttggggctg   240

cagagaccat agctaggcaa gctgatgcga ttgatttggt aatgggcctt gaccagactg   300

tagaagctga aacaagagat agagttgggc ttctcttacc gggccttcaa caagaacttg   360
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tgacaagggt ggctagggcc gctaagggcc cagttatctt gctcattatg tctggaggcc 420

cagttgatat ctcgtttgcc aaaaatgacc ccaagattag tgccat 466

<210>   3438
<211>   452
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056a07d1

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acatgcatct caaaagaaat atttttttaa ttctttaatt aatgtctaaa gacattaatt 120

aacatttccc ttataatata agaaatctct agccattgaa acttttagc ttataaaaaa 180

ataaaagaaa aaattaaagg aaattttcac acataagaac tagttgaatt gacctactag 240

gctccactcc agccttgaac aaatcaatca tcacctcaaa accattgcca ttcatgtaaa 300

actatcatca tctatcaaat attaattgcc acaagtcaaa ttccctctac aatctcttga 360

agcctcatgc agaaactgtc aacataagat gactccaaat ctttgttaag cagcaactct 420

ctgatcctag catgattagc cctaaccctt tt 452

<210>   3439
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056a08a1

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tgaaggtttg tttcatagtc ctatgattct tcttttttt ttttttgaa tttctaattc 120

tctcttgctg tgattccatt ggaaaaaaaa aaaacggtta aaacgcgatt ttagatcgtg 180

ttttctggaa ctttttttgt tctgtatggt ttagataatt agaaacttca ttggtatatt 240

tgtacgagac atttaactgt tttacgtttg actctgtttt cattccctaa tttctgaagt 300

ctgtgctaat acatgaaaaa ttatctatga agcgtctcag cataatcaat taattataat 360

tcttgcatca aatttatagt aattgtattt atttccctag aagattgaaa taaaaatg 418

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<210>      3440
<211>      437
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056a08d1

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agatgtcatg tggcacaaaa catcacctta aattgtacca acaacatata aaagcaacta    120

aagccatata aaaatctggg aaacactaaa atcaagcagc accctttccc ttctttttct    180

ggagtttttt catgtaaaac tccaactcct taccttccaa aatgtagccg tcagctctgc    240

cacattgacc aggccgagag gaaatgcaag caagcaaacg cccaccacca aactgctcct    300

caatgtgagc atcaagctta cgatctttct ggcgcttctc caattttctc tgcagatgat    360

tactcttttt ggcttcttcc acagcaacag cagcagcacc ctcctctgca gtttccttct    420

tggcagctgt cttcttc.                                                   437


<210>      3441
<211>      491
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056a09a1

<400>      3441

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ggaatttgag attttgtggg tggtacttga catggattga ggaatgaagc gactttgtca    120

tgttatttgg ttggcgattg tgtttgtgct aggaaatttt cgaaaatgtg tttctcagtt    180

gccccaagtc ctgattagtc tttccccca agtgtttgga tatgttctat gttgtggagt    240

atcggtgtta gtcgaggctg ggcacttcat ggacgattta agggatctgg gacagtttga    300

actcctaggt gaagaaaatg attctcacaa agcagtaccg atgcatacac tcagctagct    360

gtcaatgtac taaagggcat ttaagtgaag atgtgatatt cttagtattt cataatttga    420

attggaatcc caagctaatt gctactctat catgtgtgtg caaatggttt gatgatcttg    480

ccaagcgagt t                                                          491
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<210> 3442
<211> 428
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056a09d1

<400> 3442

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aacgacagcg tttgtctaga tggcataaat acccccataa agaactatcc aaagggttta  120

ttccagtccc taaataaatc agtaaattat cattgcatcc aggttgacac aatttacact  180

atattcaaaa gttgggattt gtctataaga gaaattaatc tcaaactacc atgtgagttt  240

ctttcaaagt tgatgggatc cccacgtcca gccgcatggt cgatttatat tgctctggtt  300

aaccagcacc agcctgaatg cacattttta ctactgcaag cgcctggcca taaaaattcc  360

taagctctcg ttctagcggt gcatttacat taggaacatg ccacacaaat cttggaggga  420

tcaaatca                                                           428
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<210> 3443
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056a10a1

<400> 3443

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tgacaaataa tgtgaatagt aatttctatt tgcttcccta gcttgtctat gaggatacta  120

tcaggtgact aatatcaata cgagatgcag ggatattgct gctggagaaa atggaatgga  180

tgtgatgttc aacttgctta cttctacatc ctataagtgg atccattcac cagaacttct  240

gtcagcatta aaatcccctt tgatgcgttt atgtgccagg taccttctgc aagagaagaa  300

aagaggaaag gctttggact cttgagcaaa tttttcacttg ccaaatggag cgatggttga  360

aagaataaac tgga                                                    374
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<210> 3444
<211> 269
<212> DNA

<210>   Glycine max

<223>   Clone ID: jC-gmfl02220056a10d1

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ttttttttt ttctttattt ttttttttt cccttggat ctaaaagagt gattcataca   120

acagagttta aataacccgt attacacgct taccttacct attcccctt ctagtcctat   180

cccccaaggt ccaaagaatg cttacatgct ggtaacttgc ccaaggattt cttgaacaag   240

cgagccggtt gacctttgtg atacatggg   269

<210>   3445
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056a11a1

<400>   3445

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ggtcacaaga taaaggggaa cttggtgatt atgcgaaaga atgtgttgga tatcaacagc   120

attaccagtg ttaagggtgt aatcggaacc ggcattaaca tcattggagg agtcgtcgac   180

accgttactg ctttggcgtc ccacatctcc atccagctca ttagtgccac caaggctgat   240

ggacatggga aaggaaaagt tggaaaggct acaaatttaa gaggacaagt gtcgttacca   300

accttgggag ctggcgaaga tgcatacgat gttcattttg aatgggacag tgacttcgga   360

attcccggtg cattttacat taagaacttc atgcaagttg agttctatct caagtctcta   420

actctcgaag acattccaaa ccacggaacc attcacttcg tatgcaactc ctgggtttac   480

aactcaaaat cctaccattc tg   502

<210>   3446
<211>   454
<212>   DNA
<213>   Glycine max

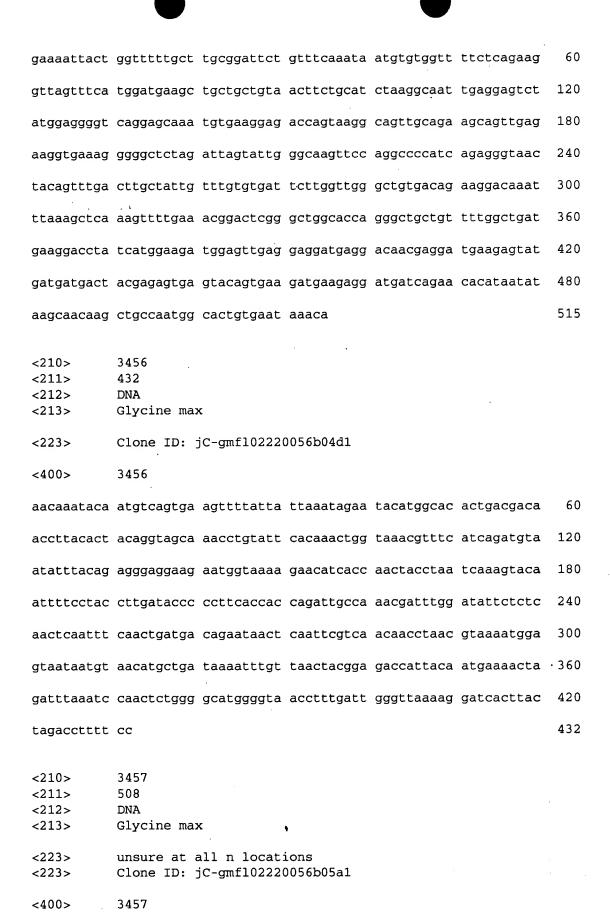<223>   Clone ID: jC-gmfl02220056a11d1

<400>   3446

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tgatagcctc tactcgtgtc ctagctcgtc taagagctag atttgcctca attgtttgtc     120

tcttgccttc cgccttattc aaattagctt ctgctatttc aagagtttgc tgtgcttctt     180

gtggatcaat gtcactaccc ttttccgcat catttactaa aacagtgatc tcattattgt     240

ttattctagc aaaaccggcc atcagagcca tcgttaacca ttggtcttta agaagacgta     300

ttctcaaaat acctatatct acggctgtgg caataggcgc atgatttggt aatactccaa     360

tttgtccgct attagtagat aaaatgattt ccttcacttc cgaatcccaa acaattcgat     420

tgggggtcag tacacaaaga tttaaagtca tttc                                 454


<210>       3447
<211>       401
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220056a12a1

<400>       3447

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tcggttgata tccaagaata tgtccatata tgtatgatgg catgtgaaaa ttatgggaat     120

tttggtgttg gcatttgaat tgtttgtttt tcatggaatg gcattgcaga taactccatt     180

gacacttcaa ttctctaaga tgttaagatc attggatctt aaaatgtcag ctaaatcatt     240

attgtactga aaacactgtt gagaacaact taaagaggat tggcatatcg aatatggtgg     300

tggtggtgag aagaggaagt taatatcgac tttaatggaa gtctctttag gtatcttaca     360

aagcggtgat ggttgtagag agttgacgtt tggggtgagt c                         401


<210>       3448
<211>       426
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220056a12d1

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agggagacat ttgaagaaac agaacaagat acagaggaaa cctttctcgt ctattgcccc     120
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1394

ttgacacaac atataggaaa aactatatga atatagtgag acaaaatgat taaaatgaac 180

tatggacagc tatagggaac tgaggatgtc ttttattatt gacaaaatag ggttgccaaa 240

aggatattct tccaatgtct gaaactttat tccatccatc cgggcttgaa ctccatcaga 300

aaatgtcaag ccctgaagca gttcctttgc cgttctgtca gctccaacga gggaactacc 360

tacgcctaac aaaatctcgg gtagagaacg gcttgctcta gagatctcca caagtgtaac 420

ctgtct 426

<210> 3449
<211> 398
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056b01a1

<400> 3449

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gtgaattcca gttccacatt tttaagatta atcgaggcac taacgatcct atatgaattg 180

gaagtctttg ttaatcttat taggcctatc ctgtatccta tggaaatgag atcggtatat 240

ctcggggaat tgcacttcca cattttcaag ataacgat gcccatatgt tcatttatga 300

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ttcctcgggg gtaccgagct tgaatgccct attgtgag 398

<210> 3450
<211> 496
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056b01d1

<400> 3450

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ggtctctgca ctaaataaga aataaattaa atcgaattaa atgcaaacct gatcctgatg 120

tgttatacaa aaatttacga cttctttttc cccccaaact tgtcttgtct ccctttttaac 180

cctttcattt ttatgttcaa gtgggaaaaa gcagggcaca cgaattggat ttttcataca 240

aatgaccaat ttatgaaaga gaaagccaag cagtgaacag tgttgtcttc cccagtaaga   300

actttccatg caatggcttg gtcatatgac acatggcgcc ccatcgtcga catgcagatt   360

ccagctggca gataagcaaa accctgctcc attaacttgg caaagtctgt acacaatgcc   420

ttgcgtccag cctcatcaaa tattttatcc aatgtgatat cttgtaaggc aactagggtt   480

gtttccaaca tgtcaa   496

<210>   3451
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056b02a1

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gttctttggg cacaatcctc aagcctcatg ctgtgtgcgt accgcaccca acacaaggcc   180

acataaaccc aatgctaaaa ctagcaaagc tccttcactt caaaggcttt cacataacct   240

ttgtcaacac tgagtacacc cacaaacgcc ttctcaaatc aagaggtcca gattccatca   300

agggtctccc ttcatttcgc tttgagacca tccctgatgg tctaccagag cctcttgtgg   360

atgccacaca gcacatacct tccctgtgtg actccactag aagaacttgc ttgcctcact   420

tcaggaacct tcttactaaa atcaatgatt cagatgcccc ttcagtgagt tgcataagtt   480

tctgatggtg tcatgagctt cactcttgat gctgctgaag aattgggtgt ccac   534

<210>   3452
<211>   308
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056b02d1

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caagcttaaa atatttagtt ctactaggcc tacaggatta catgtgaaga aaattgcagt   120

gaaacctttt ttggccaaag gaacttcaca tgatcagggg tgccaaccct tttggaagga   180

aaataaagag tccatgatag atgataatga tgatgaggtt tccagcttta agctgtcatt 240

ttcactgata ccaaatagag atatctgcct gtttctgaag agcattcatt ccttcttctt 300

cttggata   308

<210>   3453
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220056b03a1

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<210>   3454
<211>   363
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056b03d1

<400>   3454

aaatatcata tattatctta taaagcacct atggtccagg aagggaggca aaaaaaaaa   60

aaaaaaaaaa ccaaaccaga agggaaaccc caaaagggggg gggaacaaaa ggagggggga 120

aaaaaaaaaa agcccccccc gaagaaaaaa aaaaaaaaaa accccaaaag ggggcacaa   180

ccggcggaaa aaacccaaca aggggggggc aaaagaaaga aaaaaacac aagaagaacc   240

cgcccacaaa aaaaacgcgc accacacacg cccaaaaaac aaactcccca aaaaaaaaa   300

aagcccaccc ccggggggag aaaaaaaacg gcggccgggg ggcgcaaaaa aacaaaaggg 360

ggg   363

<210>   3455
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056b04a1

<400>   3455

1397

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gaaaattact ggtttttgct tgcggattct gtttcaaata atgtgtggtt ttctcagaag    60

gttagtttca tggatgaagc tgctgctgta acttctgcat ctaaggcaat tgaggagtct   120

atggaggggt caggagcaaa tgtgaaggag accagtaagg cagttgcaga agcagttgag   180

aaggtgaaag ggggctctag attagtattg ggcaagttcc aggccccatc agagggtaac   240

tacagtttga cttgctattg tttgtgtgat tcttggttgg ctgtgacag aaggacaaat    300

ttaaagctca aagttttgaa acggactcgg gctggcacca gggctgctgt tttggctgat   360

gaaggaccta tcatggaaga tggagttgag gaggatgagg acaacgagga tgaagagtat   420

gatgatgact acgagagtga gtacagtgaa gatgaagagg atgatcagaa cacataatat   480

aagcaacaag ctgccaatgg cactgtgaat aaaca                              515
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<210>   3456
<211>   432
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056b04d1

<400>   3456

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aacaaataca atgtcagtga agttttatta ttaaatagaa tacatggcac actgacgaca    60

accttacact acaggtagca aacctgtatt cacaaactgg taaacgtttc atcagatgta   120

atatttacag agggaggaag aatggtaaaa gaacatcacc aactacctaa tcaaagtaca   180

attttcctac cttgataccc ccttcaccac cagattgcca aacgatttgg atattctctc   240

aactcaattt caactgatga cagaataact caattcgtca acaacctaac gtaaaatgga   300

gtaataatgt aacatgctga taaaatttgt taactacgga gaccattaca atgaaaacta · 360

gatttaaatc caactctggg gcatggggta acctttgatt gggttaaaag gatcacttac   420

tagacctttt cc                                                       432
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<210>   3457
<211>   508
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220056b05a1

<400>   3457

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cttgcggaga gggttgtctt ttgggtcatc cttttcccaa ttcaataact ctctctctct    60

ctcttgctcc ctacatttc gatcacttta aagtctcaaa cgtaatggct gaaagcgcgg   120

tgacgaacag gaagcgcagc agcggggacg acgccgtttc ggagaatgac agaaagcgga   180

agaatatggt ggcacgcaac atggacccgg ctgaggcgtt ggccttgacg cggcacgagt   240

tcggggagca cggtggcgta aacatgtcga tcgaggcctc ggcgacgttc acggtgatgg   300

agccggagac cctcggtcgc atgttcgccg gcgagctggg cccggaccgc gatttcttca   360

tttacaggcg gcacttcaac ccgacggttg tcaacctggg ccgncacatg gccgccctgg   420

aaggcacgga ggccgtctac tgcacagcca gcggtatggc cgcgaactcc tcggtactcc   480

ttcagctctg tagcaccggc gggcacgt                                     508


<210>      3458
<211>      365
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056b05d1

<400>      3458

ccctattaa ttttggggaa aaaaccaaaa aatacgggga aaaatttcaa aacccgattt    60

cccccaaagg gtaaaaaacc cctaaaaagg ggggcccggg aatttatccc aattttccca   120

aaaaaaaaaa aaaaccctt tttcgggaaa aaaaaaaggg ccccagacca gggcacccaa   180

aaaaaaaccc tttttaaaa tggccccca ttccattttg gggaaaaaaa gggcccccaa   240

aaactaggcc cccccattaa gggggccctt taaatccccc ggaaaaattg gggggcccca   300

ttagcaaccc cccaggggc ccccaaaaga gaaatgggcc cccaaacaat ttttgggggc   360

ccccc                                                             365


<210>      3459
<211>      583
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056b06a1

<400>      3459

attccaatat attccattct ctctgtgtat ttccctacct ctcccttcaa gatgcagatc    60
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1399

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ttcgtcaaga ccctcaccgg caagaccatc acccttgagg tggaaagctc tgacaccatc   120

gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggacca gcaacgtctc   180

attttcgccg gaaagcaact tgaggacggc cgtacccttg ctgactacaa cattcagaag   240

gagagtactc ttcacctcgt cctccgtctc cgtggtggca tgcagatctt cgttaagaca   300

ctcaccggca agaccataac cctagaggtt gaaagctccg acaccatcga taacgtcaag   360

gccaagatct caggacagga gggtatcccc ccggaccagc aacgtctcat cttcgccgga   420

aagcagctcg aggacggccg caccctcgcc gactacaaca tccagaagga atcaaccctt   480

cacctcgttc tccgtctccg tggtggcatg cagatcttcg ttaagaccct taccggcaag   540

actattaccc tagaagtcga aagctccgac accatcgaca acg                     583


<210>    3460
<211>    452
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220056b06d1

<400>    3460

ggggaaataa aaaggcataa tggattaaga aacattttcc ttccctttcc ctcgtacaaa    60

aaatttaaaa ccacacaaca ctgctatatg tatacatgaa taaaagaaag gggagctctg   120

gtttcttgat actcaagtaa aactttctga gtgtttggac ttatgggaac gccgtgccca   180

ttcaatggat gctcttggtg tggatccggt gcggttgagg gattctggtt gagcatctga   240

tggtcgtgga acaagcttac acccgatttt cctggcaacc aaccgaggcg agcttcgtga   300

actgtgagat tttgtcacac ttttcatttc ttgctttatt ttactgaact cttcttcaag   360

ttctccaact ctagaactca tcctatccat atccaccttc aaaacctggt tttcacgcac   420

aacagtcacc catccatccc tttgtacaat tt                                 452


<210>    3461
<211>    432
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220056b07d1

<400>    3461
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aacacatcac aatatgctta ttcattagtt ctcatccatt aatttccatt gaagtccgaa    60

aacagaaacc aaaaatacag gatgatgaaa tctcataaag caaaaacaaa tgggaatgta   120

gtttaagtac aacaaacaaa gtggggtggc tacagatgct ttgcaaattt ttcaatgact   180

tagaagcctg ggggcttgta agcgatgaag ctgatgcact gtacttggcg aacgttgtca   240

aatccaatga tacggatgaa gccattgggg tatgcagtct tagcctcttg aagctccttc   300

aacacctgag aagcatcagt gcagccaaac ataggcagct tccacatggt ccagtagcgt   360

ccatcatagt atccaggtga cctgttgtgc tcacggtaca cgaaaccgtg ctatatgcaa   420

acacaacaaa ca                                                       432


<210>      3462
<211>      106
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056b08a1

<400>      3462

ccaatttcca tggcttcctc ggttttcgag gtttttgat catgtcatcg gatctagggg    60

gctacagcga ccagtactga accttggacg tctttgccgt ctctgc                 106


<210>      3463
<211>      334
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056b08d1

<400>      3463

aaccaaaaag tcaagtatag cacattaaaa tttcttgata gaacattata ccatgcctta    60

ttatattatt tggatcacaa agtccatcta gaagctatat atggctccta gtcttggcac   120

aaagacaaag atcgttctta ctgaggcggg ggagacctgg caatgcttga acatcaaggt   180

ggtcctttat catcccttgt ggcaatttgc aatcgacgga atgaagaaga ttcgctggaa   240

caagtgataa tatcacaact ggcataggta aacctgggca acttctgcga cctgatccaa   300

aaggaattac ttggaaatat tggccacgaa aatc                              334
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<210>   3464
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056b09a1

<400>   3464

ataagactaa gcaaaccaa aggagaagag cattgtagag aaaataaaaa aaataaaaaa   60

tggaagggtg agtagagata gagagagcaa acgcaaacgc tggttgtttc gtttttgttt   120

tgttgctgtt ttttttttat ccacatatat tacttgttaa tattattaat ttttgtttaa   180

caaaaaattt ccaactgatg atttttactt tatatctctc ttgttttttgc tactttattg   240

ggtgttggag agagagagtc agagataaga ccttcaagtt gagttgagtt tttttattgc   300

aatctgtttt tgtctgtcta ataaaatatt tttatttatt tatgagcctt ctagagagaa   360

agggagatga atgttgttac ttgttattag tggaggcttc tgaagagagt gaagagtagt   420

agcgtgtgtt gtgttgttgt tgctgctgct gctgcaatgg gaacttcacc aac   473

<210>   3465
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056b10a1

<400>   3465

ctgaaaccat gcctgtcaca aacttaacaa cacctacagt ggcagaacac atcaaatgga   60

gaaggcccag aaaccaattc aaccaccacc atcatcacca tcaccacccc atttcagaaa   120

cagatccaaa cccttaaatc cctttccata atccaatcca ctaggtgcaa gtccaccatt   180

tcctccctgc tcctctccac tttctccaac aacacctcca ataatgccac tgcccacagc   240

aagaaaaaaa gcaacttttc tgcttaacct tcagagggtt gggctgcact gctggctcgt   300

cgcagcaggt gtcggtgccg gcggtgattc gctcctccgc cgattggcaa gggaagaaaa   360

caagaaaaaa gaagcacaag agaagcaaca gaagcagcaa gaacaagact ttccatggtg   420

gggttctgga aggttccaat ccagggtgtg tggattctca agatgtttgg tgtggccctg   480

gaattgtgtt ctc   493

<210> 3466
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056b10d1

<400> 3466

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ggatatgcag taaggggact caggcttacc gcgagactcg cttttcccaa atcgctgttc    60

actattaaga aaatgggacg aagatgaaat gcccacttgt tttatagcag ttgtccttaa   120

tcggagttgg attaagggca atctatttac gcggacgggt aacagggcct cccgcacact   180

tataaatcga ctgatgaaac ccatgtttga atagccaaat cggcccccg attggaaccg    240

ggggcaacgc ccactaaagg agcgcttgga tttcataaag aggcgcttat attattccac   300

ggcacattca tccctatctc aaaaccctca tctattacca gaaatac                 347
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<210> 3467
<211> 390
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056b11a1

<400> 3467

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aaaaaagttt gtcattgtcc catattcctg cactggcct tgtgcttgtg catcctctgt    60

gttgctgcag aggctgcagg gcaaaatgat acactcgctc tcaccgaatt ccgtcttcaa   120

accgaccatc cacggctacc ctactcacca aactggacct ggcgcctaca ccctgttccg   180

gcgcgtggtg ccgcgttgga atgctcccca aacggtagag tattgggcct cactctccct   240

tccctcaacc ttcgcggacc aattgatacc ccttccacac taacctacct tcggcttctg   300

acctccaaga aaaccggttt aacggtacca tttaacctct tttaaactgc acaagcctgg   360

aactactgaa cctctcccgc aacgatttct                                    390
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<210> 3468
<211> 437
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056b11d1

<400> 3468

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aataataata aatagtgaat ccagttgcga tatggacaaa ctgcataaga gtactttgca      60

atattcaaca gtttaataca gatttacaac ggttgatgat tcccacattt gtgaaaaatg     120

ggccttagaa gaaaaaaaca aaagaggaaa aaaaaacaca cggaaaacct gtgtagggca     180

agatattggc gccctctatc aggaagttca aatactgaga agggttatat aatgtagtat     240

aatatgaatg ataacccctg accggcactt ggatattctg gcagaaactt tgaaaataaa     300

tgagctggaa gaggtaaatt ttggagaagg ggaaaataca gaattatttc tcaggaatgt     360

catacaaaaa caacaactac taagctcaaa agcccaaaat agcagactga agaataggag     420

ccagatacac ccacgtt                                                    437


<210>     3469
<211>     197
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220056b12d1

<400>     3469

gaaacgagag ggtaccgttg cgatttggac tggctgcttc agatgactat gatggatgca      60

accgttccat tcagatatac atcggttgat gatttcgaca ctcgtgaaat atgtgccctc     120

gaagaacatc gcgaaggatg aaaatgatac acacagggac cactgcgtgg gcaagagatt     180

ggcgccctct attggga                                                    197


<210>     3470
<211>     516
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220056c01a1

<400>     3470

acgaaattga aagaatttac caagaatttc cctcctgaac tcaaaggttt ggccatcaat      60

aacagtgagg ccatacgtac agcccataat agctttgcta ggccagaacc ttttgttcct     120

gaagagcaaa aggttgctac cagagatgat gatgtttacc acttcataag ctatctacct     180

gttgatgggg tactgtatga gcttgatgga ttaaaggagg gtcccatcag ccttggtcag     240

tgctctggtg ggcaaggtga tattgaatgg ttgaagatag tgcagcctgt gatccaggaa     300
```

cgcattgaaa ggtattccca aagtgagata agattcaatc tcctggcagt catcaagaac 360

aggaaagagt tgtatacagc tgagctgaag gaacttcaga agaggaggga gcgcattttg 420

cagcagctag cagcatcaaa gtcagacaga ctggtcgaca atagcagttt tgaggcactg 480

aacaattctc tctctgaagt gaatgctggg attgaa 516

<210>   3471
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056c01d1

<400>   3471

aagtgaagaa cccccatttt ttgtctgata acacaaaaca gttacaaatt caactagtaa 60

gggataagac gactaaaatg gcactcaaac gcaaaggttg tataaatcac aaatcataat 120

aaaacacact ggaacaagca aagcttgtca aaaggtgcaa tagaattta tgccacaact 180

tggaaaattg agagtttggg accataacta cccaagttga ccatcccaca aactaggata 240

ttttccatat gagtaactaa ggcttcaggg gtgctgctcc caccagaaag cctactattt 300

tatataatca ttttagttgg cacggctttt gaacacatca agacccatct cagtaggatc 360

agttgcttgc aactctactt gaattccatc cagctccctc ttgaatctgt ctttggagct 420

tgcataaatc atcttgctcc tcacccttga tgtgtcaggg gaccacgcaa tgaaaaaaat 480

tctgctttta gggaca 496

<210>   3472
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056c02a1

<400>   3472

gcaaccacat tttgcttctt actccttcat gttattaaat ttccaccaaa gaacatgcag 60

tatcctgtgg tagatctcct atcaacaatt gatcctacat agtcagcatc agtatatact 120

ttcatggata aattttctcc tttttaaaca acaatctctt tcctggagaa gacttcaagt 180

actgaatgat cccattcaac caagaatgtc aagaagacca tggaagggag tgggtcagaa 240

```
tgctgcaata atacagaggt ccattcttgg acaagaaagc atgtcaagaa gaccatatta    300

gggagtgggt caaaatgctg cgataataca gaggttcatt cttggacaag aaaggtgcag    360

ttagcaacct ttggggggttg caccaaggga gaaacaaaag aggatcactt tgtttgtgtg    420

ttacatcaag catgagaaac agaacaatac aatgaagtgg tgaatgagag caagataggg    480

agattatcag aattcttgaa gctagagaag aagcttgttt tctt                     524
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<210>   3473
<211>   338
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056c02d1

<400>   3473

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aaggaaaaac agcagtcatc taatattatt ggtcaatgaa gattcaatta ttcaaccctg     60

atattttgta ggatcatacc ggtggaaatg gcaagtctag taaaagaaag aagccaccac    120

aattttttaga atccaagtct ggttggactg caatgaaatg caaacctcca caagcttttt    180

tagcagcttc ccaagcttca gcttcactag ttgtctcagg agttttctta tagggagaat    240

agatttcccg ggtagaaatt cccgcaaaaa gaatcaggcg agcccgagga gcatccgttt    300

ccaccgggga aacctccaat cctttttatca aagctgcc                           338
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<210>   3474
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056c03a1

<400>   3474

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aaaacttatc agagtcaacc acggatgaag agttgatgat aaattttgga gaatatggta     60

ccattactag tgctttaata atgagagatg ctgatggtaa atcaaggtgt tttggctttg    120

tcaattttga aaacccagac gatgctgcca aagctgttga gggacttaat gggaagaaat    180

ttgatgataa ggaatggtat gttggaaaag cccagaaaaa atctgagcgt gaacaagaac    240

tgaaaggacg atttgagcag agcataaagg aagctgctga caaatatcca ggtttgaact    300

tgtatctcaa gaacttggat gatacaatca gtgatgaaaa acttaaggaa atgtttgccg    360
```

```

actatggtac aataacttct tgcaaggtta tgcg                                394


<210>      3475
<211>      358
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056c03d1

<400>      3475

actagcacat catttttcaat ctcactacat caaaaaaccc aacggcacaa tacaaacaac    60

aggagatgga tataagatta cagagatagc tgctactgca tatagtaagc taaataaaag   120

gaaaatacaa agtcttgcta ccaaaactac tgcaaactat gatgctcacc acaggccaaa   180

tcctgcaact atgaaagcat tatcttatat atatattgta caaaccaagc atcacggaac   240

atttgatcta ggcaatcagt acctcgttct accgtctccc tccgttatca catccttgaa   300

ggatccatta ctgggaatca tcggcaacac atgctcctga tgtggcacaa tgacatca    358


<210>      3476
<211>      339
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056c04a1

<400>      3476

gaggaaataa tctttagctc ctcacttgtc caactccgat agaaaaaata tattacgaaa    60

aagctcatct attcagagtt tagacgttgc gagtttgatg agatcctttc gaagaatttt   120

gccagatgga tctttgggta tggagtcgga caagagagga gataatcttt agctcctttt   180

ttgctgtaat tatctggctt gcttactttt gctgctttta tattatctgt tctttgttca   240

acagtctatt gtaatttgta gagaacaaag tgctgtgagt acaccttata ggctataaga   300

ttgtctcttt gtgagactat aaattacatt tacttaaat                          339


<210>      3477
<211>      405
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations

<223> Clone ID: jC-gmf102220056c04d1

<400> 3477

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aagtaaaata ctgattagat caagccataa gcacactagt tattttgcaa acaagtagtt   60

cataggcata ttacagatta cagagtcaag cttatttatt gatttcattt aaaattacta 120

aggaattact tctccatcca gaaacgggtt aaagtggtgt gaaaacgtct tcacctttgc 180

tttgagttcc ctcagtcctc ttaaatcttc catccatata ctgtaacttg agttcttagc 240

aagaacatct tcagacacct ccttattatc aataagttcc atagcatact tctcaaattt 300

ctcaatgtta tcccacagca cagccaactt tgttgtgtca ctctcacttc taacactatt 360

cagccagtcc cttgcttcct ncaccctttg ccaaaagcat gaatc   405
```

<210> 3478
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220056c05a1

<400> 3478

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ggcactatga tgccagtgcc ccgatcgcag atcagggcat tcgttgacag catcacctgt   60

ggcatggtaa gtgatgatgt agaaaattaa cacaagctcc aaaagccctc tcacccttta  120

ggggaattta ccccctggtc ttggccctct tcataccaag gctgttgtgg aagggtgaaa  180

cagaaccaga catgggagaa cccttctcgc gaagagtgcc attcagcatt gctaactccc  240

gaagttgctg cttcttgtag aaaccttgga ttcatcctga aagataaacc tttaaacaat  300

cagaccaaca aagtccccat taagttgagt accacaacca atctcaatca acctaacaag  360

aacataccac cggtttgagc aaatcttcaa gtatgtcacg tgcttgcatc atacgagcat  420

ctactat                                                            427
```

<210> 3479
<211> 446
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220056c05d1

<400> 3479
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aaaagcaacc gtaaatttac atacatactg aatctcaagt taaatagttc aaatacaagc   60

atgcatgaaa ttatacaatc acatgacagg gtgacaagtc ccgcacattc tatagatgcg   120

gtaactattt gtgattcaca ctattaattg ccaaaaagtg gggtttaata acctgcgttt   180

gaatcaggaa caaccaaaac atcttcttac agagaaataa ccagttggtt gcggatctgc   240

gtcagactct gatttttttt gaggaagctg cttaaaaaat gctttcacag cttctgtcac   300

tccatcctaa ttttccatgg cctttgcagg ttacattgca cgttccttta ccttgggatc   360

catcataagt tttattgcat caaccaactt gggaagtgaa aactcataca ctgggatatg   420

ttgaggacca gctactctag catgta   446

<210>   3480
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056c06a1

<400>   3480

gacgaggaaa gggttctgaa gatgcacact ctcaacacct cgtattgtta cagtggggtc   60

aaatgggact ctataaatct cgagcatcct tcaacttttg agacgctggc gatggagccg   120

gagttgaaga atgcggtgat tgaggacttg gataggttcg tgaagaggaa ggagttttat   180

aagagggttg ggagggcgtg gaaacgtggc tacttgctct atggccctcc tggtactggc   240

aagtctagct tgatagctgc tatggccaat tacttgaagt ttgacatctt tgacctccaa   300

cttgggaaca tagtaaggga ttctgacctc aggaaactgc ttctggcgac tgctaataga   360

tccattttgg tcattgaaga cattgattgc agtgtggatc tgccagagcg tcgccatggt   420

gatcatggac gtaaacaaac tgacgtacag ttgaccttgt ctggattact gaacttcata   480

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gaga   544

<210>   3481
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<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220056c06d1

1409

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ttctttattt ttaggaactt atccattcct tttttaatgt gcccgacaat ccgaaagaat   180

tctgggggag gggtcatttc gtttttgatc tagaataaat agagcttcaa gaaatgagag   240

aattaagaat acccacgaga aacactaatc caatccataa tgatgtaccg gaaaatacaa   300

catttttgtt attcgaccaa ccttcaggag aagcaaatac aacaggtaca ctaatcaata   360

aaataaatga aatagcaatt aatgcaaaaa cagctaattg gaaagcaata gtcatgtttc   420

taatcctcca atttaccaac anaagaactt taccatttga tcccccaacc cttgatccct   480

ttattgacaa aaaatttata ataaaaaacg cagaaggttt atcatgaatt cattgatttt   540

tttactatta tcaaccttt   559

<210>   3482
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056c07a1

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acagaacttc tggttgctaa ttctgtggag ctgagtggaa aggggagacc ccgtgtattc   180

tatgatgtta cgttgacttt aaaagcgttg ggagtaggca ttttctcggc tgaagttgtt   240

agacattcaa cacaagaacg tcaatgggaa gtgtatacat ttttgttgga ggaaagccgt   300

gactttccat tgaccagaag ccaagcaaga actcagattg ttgacaaagt tagaagaaca   360

ctgatgggct ggttatctgg ttcagtatca aatgaaaaag cactttccgt tcagtttta   420

tgttaaatat caatttggtt tgccgtttga atatggttaa gttagcaggg tatctaatta   480

acg   483

<210>   3483
<211>   510

<212> DNA
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<223> Clone ID: jC-gmf102220056c07d1

<400> 3483

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ataaccatat agttctgtaa cgttgttcag atagtcgtaa ataccgaaag gaaacattgt   120

ctggtaatgc taggtaattg aattacaaca tagaagtact ttagcataga cgacacataa   180

taatggcacc aacaaacagt tctaaaataa gctactaaac taccatcttc aattggagtc   240

actatcatcc caagccaact attttttat tatcaactct catactttt tataagcgcc   300

taaagtagaa acatatctca tctccaacac tgaaagcatt gtctctcaaa tattggtacc   360

aaggttcagc aacacattgt aggcctttt gagcatcgtg catggtacta aaatctgaca   420

gaccaagtct ttcccaataa ttcatcacaa tagggaggga aaaccttgat ctcatcgcca   480

cttgcaatct actcttggag acattgatcg                                     510
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<210> 3484
<211> 491
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220056c08a1

<400> 3484

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atgccagaac tatatgatat tagtgctcgc cgtttgcaat ggaggctatt gccagacgat   180

gctttgaaat tgacctcagt cgtgtgttca agcgttcatt ctctcacttt ggaactgtca   240

gatgagcttc ttccgctatt tctctcatgg tttgtaaatg tggagaattt acggctagaa   300

gggagtaaat gcacagtcat tcccgaatgc atcaaagaat gccgctttt atctatcctt   360

attttgagtg gttgcgatcg tcttcaagaa attagaggga ttcctccaaa cttggaaaga   420

ttcgccgcaa cagaatcccc agacttgact tcctcaagca taagcatgtt gctgaatcag   480

gaactgcatg a                                                         491
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1411

<210> 3485
<211> 454
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056c08d1

<400> 3485

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atacagagaa ataacaacgc aacacaattt aaagctatcc aatacaaatc tctcatacaa   120

gaggagaggg gcatataagt ggagccctca tcaccctcga tcttattctt aatattaata   180

atgctactca tatactagtg agtagtttcc ggtttcctgc gtccatgact ttctcttcaa   240

accttgatgg tagcgcagac ggtggaggtg ctgatcttgt aggggatgga gactccgcat   300

ttgccgggga gcgaggcggc gttgttggct ttgaagccgg agatttggct ggcggccgac   360

ttgaggcagg tgcacgccgt ctggcggacg gcggtggtct tggcggcggc attgaggctc   420

ttcactcacg tgcagcatgc cgacggcggc gttc                               454
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<210> 3486
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<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056c09a1

<400> 3486

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aaaattggga ttcggatgta tgggccttac tggagcgtac aatgaccctc tccaagaaca   120

ggatggcata tctgttatca agtatgcgtt cagtaaggga atcacatttt ttgatactgc   180

ggatgtttat ggagccaatg ctaatgaact tttggttgga aaggctttga agcagctgcc   240

cagagaaaag attcagatag ccacaaaatt tggtattgct tcacgaggtt ttcctgatat   300

gaagatcaag ggttcgcctg aatatgtgcg atcatgctgt gaagctagct tgaagcgtct   360

tgatgttgaa tacattgatc tctattatca gcacagagtg gacacatctg tacctataga   420

ggaaacagtg ggtgaactta agaaattggt cgaagagggt aaagtcaaat atattggatt   480

atctga                                                             486
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<210>      3487
<211>      311
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056c10a1

<400>      3487

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aaacaagggg tctttaagac tggtccaaca attagaggac tatagaaagc tacatgatgc   120

aatgtaactg agcttataat agcattataa gacgtttcac gtgacaaaag cgcatatgac   180

gcatgtccat agcactaaca tgatggatca aaccttacaa gtctgaaact gaacaagttt   240

gctgacatga ccaaccatga atctatgagt acctatgctg gctcaaaggt taatcaccat   300

atgaggactc a                                                        311


<210>      3488
<211>      407
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056c10d1

<400>      3488

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aaaagccatg cttccaaatt aaaaccccat ggggactggg acccatttga accttaaacc   120

caacaaaaaa cagaccccag gaacaagaat ctgaagttga ttttagtagt cttcatcctt   180

tttcgggccc ttaccaaact tagcacccac tttttaaaaa tccttttgaa gggctgcaag   240

ggccttacgg gcttcaaaaa attcaccttt ttccataccc taacccacgt accaggggac   300

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cacactgggg gagtttgaaa tcatgcaaac tgcccctcga gcccaat               407


<210>      3489
<211>      484
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056c11a1

<400>      3489
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aagaaccccg catttcttgt cgtctctctt cttctcttgc gcttcttcga tgcttcgatc   120

ttcgtcgcgg aaaatgagag agtgcatttc aatgcacatt ggccagaccg ggattcacgt   180

tggaaacgcc tgctgggagc tttactgcct agaacacggc attcaggcct gatgggctga   240

tgccatgcga caagaccgat ggtggaggtg atgatgctag caacaccttc gttcagagaa   300

actggggcat gaaagcacgt gccccgtgcg attcttgcag atcttgagcc cactgcgaat   360

gatgaggtta ggactgggac ataccgacaa ctattccatc ctgagcagct cattagtgga   420

aaggaggatg cagcaaacaa ctttgcccgt ggccactata ccatcggaaa ggagatcgct   480

gagc                                                                484


<210>      3490
<211>      221
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056c12a1

<400>      3490

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ggaagatcaa atttaaataa agtgatttct ggcggggcat gtaaataatg ccctagggag   180

tttgtaaaaa aaaaaaataa attaaaaaaa tatatataat t                       221


<210>      3491
<211>      332
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056c12d1

<400>      3491

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aatgaaaaat aaagaacaat acaaaacatt aacacagctc ttattgtaag ctgtatcaaa   120

accttttccc aattaacaca gctttgtttg acaatttttg ctatggccga actgtaagat   180

gatgttaaca atttttgcta caacaggatt gtaataacta ggttgctcca tgtaatgtaa   240
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tcttgacgaa gctcttggaa caggacagat ga                                  332


<210>      3492
<211>      440
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056d01d1

<400>      3492

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atattttgta ggatcataca ggtggaaatg gcaagtctag taaaagaaag aagccaacac    120

aatcttcaga atccaagtct ggttggactg caatgaaatg caaaccttca caagcttttt    180

tagcagcttc ccaagcttta gcttcactag ttgtctcagg agttttctta taggtagaat    240

agatataccg agtagaaatt ccagcagaaa gaatcaggcg agcacgagga gcatccgctt    300

ccaccgggga aacctccaat ccatttatca aagctgccaa tgctgtagca ttagaagacg    360

caacggacag tccagggatc aatgtcttgt catcaatgtc aagacccaat aattcaagat    420

ctagcccaga accacaaact                                                440


<210>      3493
<211>      508
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220056d02a1

<400>      3493

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caagtatgac atgctatttc cataacagtg gaacctatct tcttgatggc ttgctttctc    180

agctcttcag cccttgaaag ttcagcttgt gcttgtttcc ttatcctttt ggcattctca    240

aactcaagtt cagctatctc aatttgacgt ttggcctctc ttctagcctc ttctgcataa    300

gccttttctg caatggccaa cttgagttcc tctcctgcaa actcctgcaa ccttgccact    360
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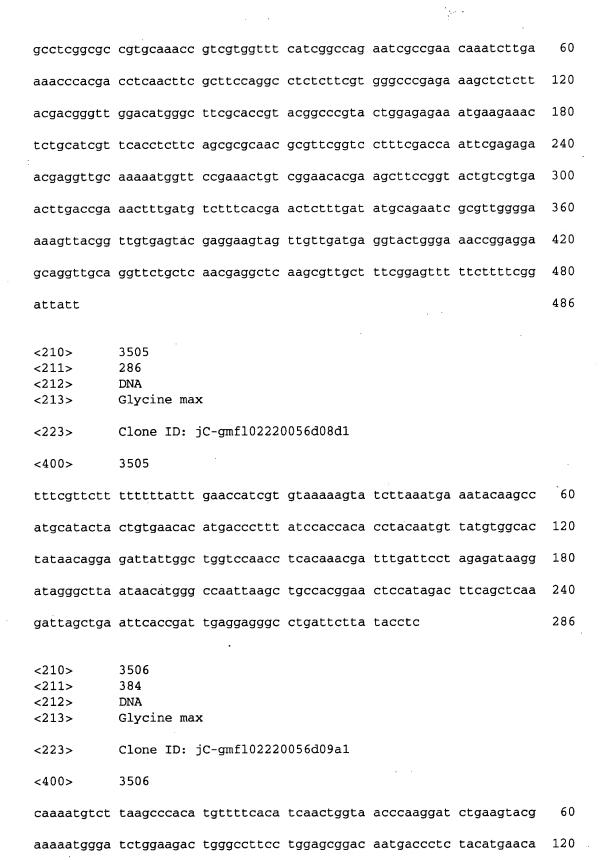
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ctcctatgtg cttctgaaca tgctctctct ggtggttcac tactatntcc tttgtcgata   480

ctacatgagc ctattgaaag tttcaagc   508

<210>   3494
<211>   415
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d02d1

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catgagttca tgaaatccag tcattagtta cattcgttgt tggtgtgaca atatcttagt   180

aaagtactca aaatataaat taatagatat aataaagtat ctaaatgatg gttcccccat   240

cagacaaaag accagttcat gaatacgaag gcaaggcagt gattggaatc atcatcatcg   300

agaactttcc atgcaatggc ctgctcataa gacactggtc gattcatact tgatacacat   360

attcctgctg gcagatatgc aaatccctgt tgcattatct tggagaactc aatgc   415

<210>   3495
<211>   456
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d03a1

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cctgtactcg cttgcatact ctctctgttc tttctataca aagatctgtc aattaatata   120

ttatctttga tcatatatag tattagtata gaccacttga ttaaaccacc tgtgtcgcat   180

attctgaatc ctatcatctt gtggctttga tgtctagagc attggaacat gattacataa   240

gcgatggcag agaatccgtc aatggatggt caaaactcat tatcactgaa ctcgaatgag   300

acagagctga ggcttggcct ccctggttgc gagtcttcag agagaaaatc acgttctgca   360

ctctgtcttt ctggcaaata gtttcagaac aacaataaca atgtttgtac cttgaacgct   420

ggggccaaga ggggcttctc tgatgccata gacacc   456

<210>   3496
<211>   515
<212>   DNA
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<223>   Clone ID: jC-gmfl02220056d04a1

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ggcaagaccg aaagtcatgt gacatcggca gaagcctttg tggaaggggg ggttcaagaa   180

gcttgtgatg atgcttgcag catatgcctt gaggatttt gcaaaagtga tcctgccact   240

gtcactaatt gcaagcatga gttccacctg cagtgcattc ttgaatggtg tcagagaagc   300

tcccaatgtc ctatgtgttg gcaacctatc agcttgaggg atactacaag tcaagaactg   360

cttgaggcag tagagctgga aaggagcttg agggataccc catctagaaa tgctgcgatt   420

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gctgatattg aagagcgaat aatcaacatt tgact   515

<210>   3497
<211>   160
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d04d1

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acgggagatg tttcatctta tactcctact aatggaattc cactacagat ggtcccatat   120

cctcatctga cgatctgttc aatgctgcca tcaaacccgc   160

<210>   3498
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<223>   Clone ID: jC-gmfl02220056d05a1

1417

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ggggaaaaaa gcttccggac taggcacgac ctatacccat gataaacagt gacacatcat   180

tcagacaaaa gcattaacag cagcatacaa agctgactct tactctgtca tctctctctc   240

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<210>   3499
<211>   576
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d05d1

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atgagcatac agcccatatg gctgattact attatttaca aagaaacaga tcaagagtca   180

ttacaagttt tgaaaccctc acaactgtaa ccaggataat tgtgtaatac tttgctttcg   240

acctttcttc acaaattcaa tcataatagt caacgaaaac aagtatttta agagagtagt   300

tatacatgaa aattttttagc tagcaaaatt tgcagagaag tcaggctcag ggggttactg   360

tagtttcact aactgactgg cagattcgac atggcaattg agaaaaacac ttgcttaagg   420

tgtgcgcagc aaactttgac gcttacatgg cagcacgcct attgtatgaa ctgtcaccgg   480

caatttcatg agctccgtct gactcatctt ccttttgacg aagcttcata attttcttat   540

tggaataccg acgccatgct gcttgaataa agcatg   576

<210>   3500
<211>   389
<212>   DNA

<213>	Glycine max

<223>	Clone ID: jC-gmfl02220056d06a1

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aatactagta ctataacata gacgattaga cggtttggct tccctcaagg ctcccttccc 180

ggccacccca tttctctctt ccagacccag aacctctatt cttccatccc aagccagttt 240

tcgtaaaaga agctcctttt tatccttttc tgttcatgcc caggtggagt ctgatgatgg 300

ttcagctgta gtagccacat ctggtgaatc tgtgacagag gttctgaaaa ttaaggagtg 360

ggaggtggga atgttccaaa atgaggttg   389

<210>	3501
<211>	505
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<223>	Clone ID: jC-gmfl02220056d06d1

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atttgtgagg aagattatct aaacctatac agggatactt ctagctgaga atcttcgttt 180

tgctgtcaaa actgccattc ccattttcag tgaattgcca aaactgtgaa gaaatttatt 240

gccggtattg tacgacggaa cattgagcaa gatactcaat taaccatcac cgtaaagcat 300

tcacgaatgc cgtcaatgaa tcaacatctc tcttttccga agggtactta attggttgag 360

aagagtgttt gnggaagagt agtattgtgg gggaagcttc ccaactgcag ttcagtcttt 420

gcatattcct tctggtctcc atacgctctg aattttgcaa ccttcactcc tgacccagct 480

aacttttctg ccaaatcaac atatg   505

<210>	3502
<211>	490
<212>	DNA
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<223>   Clone ID: jC-gmfl02220056d07a1

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gctttgaaat tgacctcagt cgtgtgttca agcgttcatt ctctcacttt ggaactgtca 240

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gaactgcatg   490

<210>   3503
<211>   330
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d07d1

<400>   3503

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gaagatacgt tcctttatac acctgaccta ccatcttacg tgtcacttta acacgtgact 180

atgggttatt acaagcactc atacgagttg tttcctcgag ttttagctat ggcttcatac 240

catgggccga tttatattgc agggagctcc agacacttac gctcctgtta agctgaactg 300

aatcattaag atgagcctgt ttcctttacc   330

<210>   3504
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d08a1

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acgacgggtt ggacatgggc ttcgcaccgt acggcccgta ctggagagaa atgaagaaac   180

tctgcatcgt tcacctcttc agcgcgcaac gcgttcggtc ctttcgacca attcgagaga   240

acgaggttgc aaaaatggtt ccgaaactgt cggaacacga agcttccggt actgtcgtga   300

acttgaccga aactttgatg tctttcacga actctttgat atgcagaatc gcgttgggga   360

aaagttacgg ttgtgagtac gaggaagtag ttgttgatga ggtactggga aaccggagga   420

gcaggttgca ggttctgctc aacgaggctc aagcgttgct ttcggagttt ttcttttcgg   480

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<210>   3505
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<223>   Clone ID: jC-gmf102220056d08d1

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atgcatacta ctgtgaacac atgacccttt atccaccaca cctacaatgt tatgtggcac   120

tataacagga gattattggc tggtccaacc tcacaaacga tttgattcct agagataagg   180

atagggctta ataacatggg ccaattaagc tgccacggaa ctccatagac ttcagctcaa   240

gattagctga attcaccgat tgaggagggc ctgattctta tacctc   286

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<223>   Clone ID: jC-gmf102220056d09a1

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agagggtctg acgcggataa agcatgctgt tagccttggc aatcacattt gttgctactg   180

1421

cagatgatta tggagcccat gcaaatgaac aagcgtcagg aaaggttttg aaacatgtgt 240

acactgataa gagttagata gccactgaaa tgggctttgc tatgctaggt agacctgata 300

tgaagatcaa acttatgctg gaatctgtac tatcatgctg cgaagctagc ttgaagcgta 360

attgatgatg aatacataga tctt 384

<210>   3507
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d09d1

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acaattttc gacaacatat caattatgta ctctaacagg aacgtggctc taagagaaga 180

gcacactgga aactgatgtt cacatacata accatgacca tacactatct aatcgtcaac 240

ttgaaacttt caagatcgat aaataaccat caaactctga attagtgcct ttcagttcaa 300

gtcccttta cttaacttta taatgggcct agtctataaa agaacatatg ctaataacta 360

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<211>   479
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d10a1

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atgagagtcc aaagaagatg atttggagcc acatacttca gcccctatga gaaaactctt 180

ttatattatt gatagtgttc ctaggttgca tgatcaaata aactctctgt ctcatgataa 240

agaaaagctg caatcaatcc ttgaaactag ggatcttgac attaaggatc tgaaggatga 300

agtcaaacaa ctcaatagaa tctgtgaaga ctctaaaatg atcaagaatg aattgtctga   360

gctcacctat gtattagaaa aaattatgga tattttggga gctggtgaat gggttgtaga   420

taggaaatct aaaggttcga aggaattaat accagcattg gagaagcata tcattgcca   479

<210>   3509
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<223>   Clone ID: jC-gmfl02220056d10d1

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gttgaaaaac agcctttttt tttcaagacc cgttttttta aacccggaaa cataatcatt   180

accaaccaaa aacccaaatt catttgaaca acccaacaca aaacttactg gggcgtccat   240

ggttttctag cccaggaacc atggcccct taaaccaagt ttttagcaag gtttgtagtt   300

gaacaaccca tgggggcaaa aagacccta attggaaata aagggcctta cccaagctag   360

caaactttg ttacgggga tgggggacaa attattcttc cccgggttct gaatctgcat   420

tttggagccc acccatgaaa ggggggcct ttttccaaaa cccaaaggtt ttggtatcac   480

ccttaaggcc cttt   494

<210>   3510
<211>   475
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056d11a1

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aggcttagtt aggcttttct gttatcgcca tggatttcga gagtagaagg cttcatttgc   180

tcatctccgt tgttgccatc gttgctctta gcttcacagc tgaaaaatgc agggaacttg   240

ttggggagga ggggtcatct cagagtggaa agtttacgat cttaaattgc ttcgatatgg   300

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gttctggaac tgtagcatgt gctgtcaagg aaggtgtgaa gctctatttt tacaatatta    360

ggtcttctca tgctgaaaga gcaaggagcc aagcaattga gtctgccctt gttgatgctg    420

ttgctcacgg gatgtcccca acggattcgg caaaacatgc tcagaaagaa ggtta         475
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<210>   3511
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<212>   DNA
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<223>   Clone ID: jC-gmf102220056d11d1

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tacaacatag ataaggaaac cacaaactct ttttaattag atagagatac tgttgggaat    180

tcctttgaaa gtcaaccctt cctcacttga cgatggagc aaagtgtatg gcagctgaac    240

tggcccagtc cggtttctca gacttggatc actgttcctt gcattgattt ttgcttcaat    300

tccagtcagt ttgcttccaa acctttgaa agcttctaat gccttcttat cagtagtcca    360

atttggagtc tccctctctc caaggtatat ctcatcagaa gcatgccttg acaatatctc    420

tatcactgaa agatcaataa gggtctcaaa cttgggtgtg attgttctca gataagcctt    480

ttgaggattc ttcaccatct catcatactc tggggtcctt cagctgggat               530
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<210>   3512
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056d12a1

<400>   3512

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atctttgaca tcattggcca ttttgctcaa cccaatcccc acacagtttt gccaaagaca    120

ccaattattt gcaaaccatc agaaaatgcc attgagttgg ccctcaagat agccaacctt    180

aatccacaaa gaactttgtt ctttgaggat agtgtccgca acacacaagc tggaaaacgt    240

gtgggtcttc acactgtgct ggttggaaaa tctcagagaa ttaaaggagc agattatgca    300
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1424

ttagaaagca tccacaacct tagggaggca gtgccagaac tatgggaaga tgacataaaa 360

tcagaagttg cttatcctgg caagcttgct gtggagacat ctgtgactgc ttagatcatt 420

gatgaacaaa aaataaaat aaaaaaataa gaaaagaga gagaaagaga gaagtccttt 480

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<211>   190
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056d12d1

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aagtccatga atggtatcta ccgttttttcc acctgaactc attggcatgg tgtactgcca 180

tggaaacaac   190

<210>   3514
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056e01a1

<400>   3514

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gtctccggcc gccgtgacct cgtcggagac tttctccggc tgccctccga aactgataac 120

gacgacaact tcaagggcac ccggtgggcc gtcctcctcg ccggttccaa tggttactgg 180

aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggtctg 240

aaagaagaaa atattattgt ttttatgtat gatgacattg cattcaatgg ggaaaaccca 300

aggcctggag tcatcattaa caaaccagat ggaggtgatg tttataaagg agttccaaag 360

gattacaccg gcgaagatgt tactgttgat aacttttttg ctgctttact tggaaataag 420

tcagcactga ctggtggcag tgggaaggtt gtggacagtg tcctgatga tcatatattt 480

ggatactata ctgaccatgg aggt   504

<210> 3515
<211> 437
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056e01d1

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atcacattga tagcctttac tcggggccta actcgtttaa aagccagatt tgcctcaatt   120

ggttggctct tgccttccgc cttattcaaa ttagcttctg gtatttcaaa agtttgctgg   180

gctttttggg gaacaagggc actacccttt tccggatcat ttactaaaac agggatctca   240

ttattggtta ttttagcaaa accgcccatt agagccatcg ttaaccattg ggctttaaaa   300

aaacgtattc tcaaaaaacc tatatttacg ggtggggcaa taggcccatg atttgggaaa   360

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<210> 3516
<211> 547
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220056e02a1

<400> 3516

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ggtggttacc cttgatggta ttttcataaa ggacgtggca tgtggcggtg tacacacatg   180

ttctgtaact cagggaggag cactttatgc ctggggtggt ggtcggtctg ggcagctagg   240

gcttggcccc caaactggat tattctcgtg tgttgctaat gactctcaga cattttttccg   300

aaacattcca gttttagtag ttcctaaagg tgtgcaactt gttgcatgtg ggtattctca   360

caccttatc tctatgagtg atggtcgaat tcatggatgg ggttacaata attatggtca   420

ggcagcaaat gagaaatgta catatgcttg gtatccatca ccaattgact ggtgtgttgg   480

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attaaag   547

<210>   3517
<211>   150
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e02d1

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aagtaaaaac acattgactg gcgggtctcg tgtcttaacc acttaataca cacatgtacc   120

taaaatgaat agctttcaca ttcctgctta   150

<210>   3518
<211>   607
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220056e03a1

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aaagatgcag ggtatggagc catgcagcct gaggagtaga gggttatgtc ttgttcctgt   180

gtcatttact attggagttg ctgagaccaa tggtgcagat atctgggctc ccattaagac   240

tactacttct cctaaatttg agaaggatgt ctcccaattt cattgaataa ttttctcacc   300

tttacagcct aaaggttgct aaagttgcta aactagcatg aaaatgatta tgatcataca   360

tctagatgga atcatagtag ctatatatat atatatataa tagttatatc attaaaaaaa   420

aactctagtc aagaagctgt cccacacctc taagatttaa acgggtgatg gngctaagct   480

tccaattagc catatgtgcc ccttactaat taattccatg tggtgattat taagtgatat   540

ttgaaaaatc tagttgtata atgattcatg tactgatagc ttaatggaag ccgttctagg   600

atggtgt   607

<210>   3519
<211>   396
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e03d1

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atctgacccc ttcccctgtt cccacctacg tatataggat attttaagaa atgaacatct   120

ctctgagtag tgggatccgg ggaaagaata ggaaaggtta tttctttata tttttgacca   180

ggaacagggc ctaccacaag aatatttttt tttgtaggac gatagttttg aaaagacaga   240

ttgcctatct tctctttaat ctcaggcgaa atacgatcgg ggggtgccaa ttcaaaacct   300

tccggtaaaa taagaacagc ccccacattc aaagctccct ttttaccatt agcaagaact   360

tgtttcactt gcatatcata aggaattcga acaact   396

<210>   3520
<211>   288
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e05a1

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actgcatgga acttggtaac ttagtaatat gttaggcggc gtttgggtgg tcttgctata   180

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gtctacatgc taaatatgga cattttccta cataactcca cgcctcat   288

<210>   3521
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e05d1

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tgacaataaa tttccaattt gtttcgggca acatttgatg cccacaccta tcctttgaaa   120

tgttcccaaa caattctgta cacataatgc ccaggagc   158

<210>   3522
<211>   504
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220056e06a1

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gggtatctcc tgcttcattt ccgaccttcg tggcttccgc ggaattttaa agcaaagtgg   180

acagagatgg agcagttgtt caattgtcct cacttgatgc ccctctagag gagccagagg   240

aaaatcgaac caacacacac gacactgttg ttagttatgc ctctcagatt gaatctttca   300

agtctcttgc tgaggagtat gatgcaattc ttttggaaga atttattaat aagattaatg   360

ccggtggaga agatagtgtt tctcccattg ttctttctcc agattctgat aaatctcata   420

gaaaggcaat gcataacttc tntaaggaaa actntaagtt cctggtcact gatgtggtca   480

atggacccga tgcttcatcg aaat   504

<210>   3523
<211>   483
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220056e06d1

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gcactaaata agaaataaat taaatcgaat taaatgcaaa cctgatcctg atgtgttata   120

caaaaattta cgacttcttt ttccccccaa acttgtcttg tctccttttt aacccttttca   180

tttatatgcc aatgtgtgaa atatactata ctgaatattt cgtacacgtt attataaact   240

atatgttcat attagcatga atctgcttga aaaaatctcc agtcttgagc agtatcatgg   300

caactggcgc catcccagca agggtggtaa tctatgtagg aatctctaat atgtagaaac   360

cgaagttatc aagttccacg aagggagcgg acacgatctt gaatcaagtt cctttcccaa   420

tctgctatat cctcaaatgc atattctgga agattctcaa atgctncttt cacggatcat   480

tct   483

<210>   3524
<211>   473
<212>   DNA
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<223>   Clone ID: jC-gmfl02220056e07a1

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ggccaagatc caggacaagg aaagaattcc cccggatcag caacgtctca tcttcgccgg   180

aaagcagctc gaggacggcc gtaccctcgc cgactacaac atccagaagg agtcaaccct   240

tcaccttgtc cttcgtctcc gtggtggcat gcagatcttc gtcaagactc tcactggcaa   300

aaccataacc ctagaggtcg aaagctctga caccattgac aacgtcaagg ccaagatcca   360

ggacaaggag ggaatccccc cagaccagca acgtctcatc ttcgccggaa agcaacttga   420

ggacgggcgc accctcgccg actacaacat ccagaaggaa tcaacccttc acc   473

<210>   3525
<211>   458
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e07d1

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tccgggaatc tagcacgacc aaaatcataa attaatgaaa ttctaaccca tcgataatta   180

aatttgatgg gaattatgat gtagcagtag cacacgtctc accattaaaa tcaaaatacc   240

aggtcaaagt ttcaagtaac ttaggacaga acgtaaaaaa aaactagatt aaatgagtag   300

atagctcggt acattaagtc acttagcact tgacctcctt taaggcatat gcaaagtaca 360

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ccatgctctc accaacaaaa aattggaaat ctttaatc 458

<210>   3526
<211>   481
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e09a1

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agccaagcac ttgatgataa attcgttttt ggcaattgct gatattagga actcagcacc 180

tgagaaggtg acaaatggtg gtgggcatgc ccaattgcca agggacccca tgaagctgcc 240

tcctgctagc ccctttgaca atttcctcaa ggctgctggg tgttagatta ggtggtttca 300

tgcttacatc tttctgctat gtatagttct aatgttaaat gttctttcca gacaggagtt 360

tctagggtct gtatccttgt aaggactagt aggtagttcc agtattttga cttcagtgat 420

cagtgatata tataattgta gaatgacaat ttctctactg aattgttcaa gactttatgg 480

t 481

<210>   3527
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e09d1

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aaacaatgaa aagcattatc tgacaagtat atttggatgg cgaccaccaa accagtaagt 120

tgacacatga atcattcttt cctttatatc tacaaagtga aaagaagaaa tatatgtaca 180

aaggttaagc tttttatgga ccccctccaa gggggtccac tgattttgtg aagggccaca 240

cagtacatat tgtgaaatta attaaaaagc ctcaagaaat gtcttctctt ctgctattca 300

1431

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aatttgtatc aactgtggaa tgagcttcaa aaggaaagac aactcctgct gtgaaaattg   360

aagctttgag tttccctgca ccttcccaca acccttaacc aaaccctctc cttgaccacc   420

ctttggtggc tttatcatat ccgcaactgc ctcagttatt tcttgaacca aatccacaat   480

taccc                                                              485
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<210>   3528
<211>   487
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e10a1

<400>   3528

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catgtgctat gttagcctta actcatcatc catcaacttc tcatcattta ttaaacagga   180

tttcctgggc attctgtgta tatctagaag ctgtctcact cctgccccaa ctgcgggtca   240

tgcagaacac caagattgtt gagccattca cagctcacta cgtatttgca ctgggtgttg   300

caagattctt gagctgtgct cattgggttc ttcaggtgtt agatatccgt gggcatttgt   360

tggtggcctt ggggtatggt ttatggccat caatggttct tatctcggaa attgtccaga   420

ccttcatctt agcagatttc tgttactatt atgtcaaaag tgtcttcggt ggacagcttg   480

ttctacg                                                            487
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<210>   3529
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220056e10d1

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attctaataa ttactacaaa agggatatat gttagataaa atagattaat taatctatt    180

cacaaaaaaa taatgtatcc atagcacagt ttcgtcttat aatacctcgg gtgctaatga   240
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1432

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aactatttta gtgaaattta actgtctcaa ttcccgggcg attgcacaaa agattcgagt    300

tccttttgga tttccttctt gatcaatgac aactgcagca ttatcatcat actgaattat    360

tataccgttg ctacgtttga gttctttaca agtacgtaca attacagctc tgatcacttc    420

tgatctttct aagttcgtat ttggtactgc ttggttgatt acagcaacaa caatgtcacc    480

aatataagca tatcgtcgat tactag                                         506


<210>      3530
<211>      485
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056e11a1

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tgctaataag gacatcatca cggctaagtt caagttcagt gctgatttgt cgttccaagc    180

ggcgtgcaag gacgcgtttg aagatgggaa aatcccgttc tttgaagact ccgacgcggt    240

ttacaacctg ggagggaatt gcttggatat tatcgctgat atggagaaag ctcagggtcc    300

tcagaaaatg ccaccggtgc aacaaagtgc cccttctgca tttagcaacg tcatcggaac    360

cgtctcataa attttttggtg acgaatccat tttttttacgt gaatgatgat ggaattgtca    420

agtgcagtat tgtgtcattt tcttttttgtt ttcttttttagt aaaacgaatg ttttgggtta    480

ggggga                                                              485


<210>      3531
<211>      231
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056e11d1

<400>      3531

ggcctaggat tctcggtcga cgagctcact agccgactag tcggccggcc gcccttttt     60

ttttttttt taatttaaaa cgactgaagt attgcacatc catatactct atacccctagc    120

aacgactgat ataaaaagcc tatatattgc gaacacccta ttaactgggc tttggaccag    180
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1433

ctattgcaaa cgacgcctgc actggcacct gttgcagagg cagaggccca c   231

<210>   3532
<211>   482
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056e12a1

<400>   3532

ggccatgcaa atgttaccga ccaccgcagc tatcttaacc ttaacactgg actacattga   60

ctataataat gaccatgaca ttagagtgct aatattcatt gatgcatcga ttgcagatac 120

tgatcttaac gacatcctca cgattaagag cacgacacaa gatactgaac tcgcactaac 180

tgggttcaca gacatggatg caaatcggaa gcagctggac gtggaagaac tgagccaacc 240

gtaacggcta cgtacgagaa ggcaagtcta tgatctatga tctggacaaa gcgtcggctc 300

taccataaaa tgcctctggc gtcacgaaac tgtccagttt acgaaaatgg atatggtccc 360

tagcgctaat gtccactcct gtgaccatac catagaatac gtgaatgcta atgcgaatgg 420

gaccgataat tatgacaggg agttggagga tgtaatagat aagcttattg gggagtgtga 480

ta   482

<210>   3533
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f01a1

<400>   3533

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caagataagc gagaactgcc aagaagagat gatcagaatg atctccgtca acatttttcg 120

gtgcctcccg ccggcgtcgc acgaaacac aggccaagaa cccaccgatc ccgaagagga 180

ggaaccttcc ttggaccctt cttggcccca ccttcagctc gtctacgagc ttctcctcag 240

atacgtggtt tcctccgaca ccgatacgaa aatcgcgaaa cggtacatcg accactcctt 300

tgttctcaag ttgctcgatt tgtttgactc tgaggaccca cgggagaggg agtatttgaa 360

aaccatactg catcgtatat acgggaaatt catggtgcat aggccctta ttaggaaagc 420

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tattaacaac attttttacc gctttatata tgagactgag aggcactctg gtattgggga    480

gcttctggag attctgggca gcattattaa tg                                 512


<210>      3534
<211>      471
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056f01d1

<400>      3534

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gtagcaccga acatgacaga catgtcacca aggatgcatg ggttgacttt cagtatttat    120

atatattaac acttctatca aatctgggag taatcataaa tagctgacac aatcgtgtct    180

aaatgatatg gcaaccatta atcacaatgc ttaaacagat ttcacacgga gcaaatgaag    240

aaacatctgg catactcaag atagctcata gacttagctg atgtaaccct atagaagagg    300

tgggtgttgc gtagcctgct gccggaccct ggtctggatc tctgctgcat actgggtcaa    360

tagatgagag ccttctgtcg gggcaggatc tgcaagattt ggctgaacaa gtaaggctcg    420

gatgcccaca agaatttgct taactgtgat ggctggtatg cagccactat c             471


<210>      3535
<211>      545
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056f02a1

<400>      3535

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cctcacgggc ttgctccgcg acgtcgccgc caaattccct tcccgccgcg ccatctccgt    120

cgccggaaaa ttcgacctca cccactcccg cctccatcaa ctggttgaat ccgccgccgc    180

ccgcttagtc gccgccggaa tcaaacccgg cgacgtcatc gctctcacct tccccaatac    240

cgtcgagttt gttgtcttgt ttctagccgt cattcgagtg cgcgccacag ccgcgccgtt    300

aaacgcggct tacacagccg aagagtttga gttttacttg tccgactccg agtccaagct    360

tcttctaaca tcagcagaag gaaacaactc agctcaagcc gcagcttcaa aactcaacat    420
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ccttcacagc acagcttcaa taacccaagc cgaagacaaa gaagccgagc tgagcctctc   480

attaagccac tccgagtcag agtcaattaa ctcggttgag tcacttcgaa acgatcccga   540

tgacg   545

<210>   3536
<211>   408
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f02d1

<400>   3536

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atgtgtttct ctaaaaaaaa attggactaa aagttcttag aaaatcttag acctctccca   120

atcagaatac acatagtccc tcagagaaaa cagaaattgc cagattgagt tccccaccga   180

aacagggata aagaaccaaa gtaaactcag tactccaggt agccagccag gcacgagtag   240

tagtagtagt agtagtaact ttgattagag attataagcc attttcatgc tcaaaagaaa   300

gcagttttca gtactaaata caatatgtaa gaagcaatga aaatccctcc tttagccaaa   360

aatttaaaaa ataaaataca attcccttcc tttcttttca caatattc   408

<210>   3537
<211>   544
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f03a1

<400>   3537

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acctacaaga gctgaagttg cagatgtttc tgaagcagtc agacaacgag ctgatgcttt   120

aatgctttct ggtgaatcag ccatgggcca gtaccctgac aaggccttaa ctgttttaag   180

gagtgtcagt ttgagaattg agagatggtg gagggaagaa aaacgctatg aagctatgtt   240

gctcccatca gttgggtctt attttcaga aaagatatct gaagaaatct gcaattcagc   300

tgctaagatg gccaataatt tagaggtgga tgcgcttttt gtgtacacaa agacagggca   360

catggcgtct ctattgtctc gttgccgtcc tgactgccca atctttgctt ttactaccac   420

ttcatctgtg cgtaggcgac tgaatcttca gtggggcttg atacctttcc gcctgagctt 480

cacagatgat atggagagca atctcaacag aaccttttca ttgctcaagg ccagaaatct 540

gatc 544

<210> 3538
<211> 441
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056f03d1

<400> 3538

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ttttcttttt aatattactc ctaattaaat tcccaccaaa aaatccaccc aaaaaagccc 120

acacccccc gcaaacgggg ccaccgcaaa accagcacaa aaacaaaccc cccaaaaaaa 180

ccccacccc cgacaaaaaa caaaaaaggc gaaaccaccg aaaccgcccc caaggggcaa 240

cacacaaaaa accccgggg ggccccgag gctcgcccca actaaaaaac aaaaaaaacg 300

ggcaccccaa caccccagca aaacacgacc aaccccaaaa aaactcccgc ccaaaagagg 360

caagcggccc caaaaaaggc gcgcggcaca aagccaccca aaaaatccaa aaatgcccca 420

aaaaaccccc ggggcttaac c 441

<210> 3539
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220056f04a1

<400> 3539

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ctacagcagt actctcaaat gggttggatc tatctttctt gcccagcgat ttcctctttg 120

gcattgcttc ttcctcttac cagtatgaag gagcttacaa gagtgacggc aaaggactga 180

gcaactggga taactacact cacggaccag gtagaagtgt aataatggat ggaagcaatg 240

gggatatcgc gattgatcat tatcatcgct acctggagga tatagattta atggaaactt 300

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tgggagtaaa cagctaccgg ctatccctgt catgggcaag aattctacca aagggtagat    360

tcggagagcc caaccatgct ggtatcgagt tctataacag actaattgat gttctactac    420

tcaaagggat ccaacccttt gtaactctta gtcactatga cattccccaa gagcttgaag    480

acagatacgg gagttggcta atccccagtt acaggaagat tttgttntta tgccgaccta    540

tgtttaaaac                                                          550
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<210>   3540
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f04d1

<400>   3540

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ccacttaaca ctgagcaatg attaaaagat tcgaagaatt gcaaatcagt tacaagaatt     60

cagaaattca atatcaatca atatatgggt gatattcatt cagtcacgcc aaaacttatt    120

attggctgca aataaatata aactttgaaa atctctcctc agatagactg tctgaacaat    180

ttccttcttt ttcacatgat acgttagaaa aggagctctc ctctattcat aaactttgca    240

ttcctcatca gcagggtttg tctcgcagaa atcctccaat gggtctccac tccccgcttt    300

aggtgcccct ggccacttgc ttgctactag atgtgccaaa tcgaccactc tttggctgta    360

accccattca ttgtcatacc aagcaaccac tttaaccata tcatctccca tgaccatagt    420

caaggaggag tcaatagtag aggaaa                                         446
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<210>   3541
<211>   159
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f05a1

<400>   3541

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tcttgttgac actacttctg catcattcaa tttcaaatca tggttaagaa tgtatatgaa     60

taatgttatg cccagtcttt ttttcacatc agttttgaca ataagaagag agatagagag    120

gagagaaaaa tatgatataa gaagggtaat gcaatagag                           159
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<210>   3542
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1438
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<211>   499
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220056f05d1

<400>   3542

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ctttacattt tacaagattg atgaaccaac aaatacattt acaaaatatg ctagcagttg   120

ccaacaatcc accacagccc caacttctaa aatatgtcag aaatatggga ttcaaacact   180

tgaagctttt tgcagactag cagcatattg tcgagcccat tggtcatagt gaataatttc   240

ttcgagtgac ggagatgcta ctaattcctt ttgatgttcc tgacaagtta gttccacaac   300

cttgaatata tccagataac taatcttttc ttcaacaaac atttctacag ctttctcatt   360

tgctgcacta agaactcctg tcatggtgcc tncagcacgt cccgcagcat agcaaagatt   420

caccgatgga aacttcttgt catccggtgc ataanatggt agagaaccat acttgctaag   480

atcaagacga gggccagta   499

<210>   3543
<211>   367
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f06a1

<400>   3543

ggtagcgctg attcgatcgc atcataacat tcattcacat tcatatcctc tctctccgat   60

cccaatggcg gatgagagcc ccaaaccaga gaccttcgaa ctcaacaatg gaagcatgca   120

ggtcctcctc accaatcttg gcttgaccaa tcatcttctt aatccgtact tggaaatgat   180

ggtctttttt ccgttccaat tttttcatat ttcattcttt atttcattgc ctaatttgcg   240

gcttcaactc tcctctcttt tctggaattt caagggtgtg gttattctga cggttggttc   300

tttggccttg gaatcttgct ggaaatccta ttcagaaagg gtctttgctt ccttaatttt   360

cgggctt   367

<210>   3544
<211>   481

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f06d1

<400>   3544

gaaaatgaaa atctcacctg atagattttg tcttcgaccc tttattttac aatttcttga   60

gtaaagaaaa gcttaaatgg caagaaaaga tctagaaaga aaaacttcaa acatattaca   120

ttcatttttt caatctcgtg cttttttcaag gtgcaagtga catttcccga aggttacaaa   180

ggataaggaa aatgatcaca tgatgctaaa acgacctcca ataactataa cttgattagg   240

ttctcttctg aagtggcttc caatgatcaa aaccattcca aagttaacac gcacacaccc   300

cacagacaca cacatatcta gttctttggc catccaaatt tgtacataaa gtagttttgt   360

gcccttagat acccaatcaa ctagtctttg ggattcacaa cgttggacac agtctttttcc   420

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t   481

<210>   3545
<211>   491
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f07a1

<400>   3545

agaaaagcgc agcttgttcc atccacgtca ctctctccat ctgaaagcag cgccgccgtt   60

gagttagttt atatccgaga cgccaccaca gtgaatattc aacttgaata ctctttaggg   120

ttttttccatg gccaccgtga tccgcaaccc tatcctcttc ccttccacct ctcaccaccc   180

caaccaaaac cacacattcc tcactctccg cttctctcaa accttacgct cttctctccg   240

ctccaaatcc cgattcgccg tttcctgctc ccaatcggaa cctcctcctc tcatccttc   300

ttcttctcgg cggcgtcctc cgtacatccc caacctcatt ccggacccctt cctatgtccg   360

cattttcgac acgactctcc gcgacggcga gcagtccccg ggcgcctcca tgacctcgaa   420

ggagaagctg gacgtggcgc ggcagctcgc caagctgggc gttgacatca tcgaggccgg   480

cttccccgcc g   491

<210> 3546
<211> 303
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056f07d1

<400> 3546

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tttttggttt gcttattttt tcttttttttt tttttccctt ttcattctta tttacagggg   120

gggggagggg gaaaaaaga gaaaactgtt ccccccaagc acacgacaaa agagggcttg   180

aaacacacgg ggaacctaac aggggccagc gggtggcgca ctatattcgg aagcccccgt   240

actgagaacg ggaaaaaaac gctggggccg cagaacgata acccttcaac gttcccagaa   300

aat                                                                    303
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<210> 3547
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220056f09a1

<400> 3547

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agctcaaggc tagctacatg gaggagaagg ataactttgc aatatactat gtggtggcac   120

catgtgctat gttagcctta cttattcatc catcaacttc tcatcattta ttaaacagga   180

tttcctgggc attctgtgta tatctagaag ctgtctcagt cctgccccaa ctgcgggtca   240

tgcagaacac caagattgtt gagccattca cagctcacta cgtatttgca ctgggtgttg   300

caagattctt gagctgtgct cattgggttc ttcaggtgtt agatagccgt gggcatttgt   360

tggtggcctt ggggtatgga ttatggccat caatggttct tatctcggaa attgtccaga   420

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ttctacgtct tc                                                          492
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<210> 3548
<211> 489
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220056f09d1

<400>   3548

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tcatcaacta gaagaattat ttcattaatc gagtgcttat tcattgccaa ttcctacaat   120

ttgatacatg gccattggaa ataaactagt gcgacctata cgtattaaat catctatgaa   180

gctatctatc agtcccccta aaaataatcc tagttcaaat atcatgacaa gagagaatat   240

caaggcggcg aacaatataa gaaaaccaca caaatgtcca cgaaaacgat ttgctttctc   300

aaggaaattc cagcctccat cattggtgtc ccaaaactcc gtgatagaag agtatcaaat   360

atccttcaac caatcttgaa cttaacagac caaatagcat ggaaggcaca acccagaaag   420

atgaatactc agaaaattta ccagacatct ctaagataac gtccatccat ctggagtgtt   480

ttaactata   489

<210>   3549
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f10a1

<400>   3549

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tcaccttgta ggtgcatctt gatctcgaac atctaatgcc agacaaaatt agggtacatt   180

gggttgcttc ggttctctgg ttcttacccc ataaatcaag ggtcttgttt gctcctagcc   240

tctttaaaaa gatgcctatt aaacctacaa gagttttata tgcatgaagt tccatgggct   300

aacaaataac aggctagatt tggtatttgt tgctggtgtc agatttgctt gattgatgtc   360

aaatctcaaa atgatttata ttctataaat taaatccttc tacataagga gatgagtttt   420

aagtatatag attgtaattt cagtttgatt caatgttcta ttattatggc aatgaccaca   480

ttggcagcag tggccacgtc aaccaccttc aatttcattc tatttattct ctaa   534

<210>   3550
<211>   541

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f10d1

<400>   3550

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tagacagagc atactcaaca agagggtcat gtctaatttc ctttattgaa ttaaacaaac   120

gaacaaacga aagaaaacac aaattccaga tcatgcagag gattccgcat tttcagaaga   180

tctggcagta gcctgtggaa cagaaaaagc tggcataaga gtattaccag caatttcaaa   240

atcttgagaa attcccaaga gaatatcaaa aactgtagac tgtttgggat tgtcaataag   300

gaaactcaag tgccatgaag tttgatttgc ccactcagaa ctccacattt caaaaccatt   360

attaggacca catacctcta ttgggaagat caattcccag gaatgtggtt ccgattttgg   420

ccacttacat gcatcgaaat gctctgtact ggtgctgttt gttaaaaaca cttgtaccaa   480

tgaggcccaa tcactccttt tgactgctgc attcccagac atcacaattt taaccattaa   540

a   541

<210>   3551
<211>   480
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f11a1

<400>   3551

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catttgcaag gaccagtaca agagcatgct cgacgccatc aaggaaacca agccgcgat   120

tgctaataag gacatcatca cggctaagtt caagttcagt gctgttttgt cgttccaagc   180

ggcgtgcaag gacgcgtttg aagatgggaa aatcccgttc tttgaagact ccgacgcggt   240

ttacaacctg ggagggaatt gcttggatat tatcgctgat atggagaaag ctcagggtcc   300

tcagaaaatg ccaccggtgc aacaaagtgc cccttctgca tttagcaacg tcatcggaac   360

cgtctcataa atttttggtg acgaatccat tttttttacgt gaatgatgat ggaattgtca   420

agtgcagtat tgtgtcattt tcttttttgtt atctttttagt aaaacgaatg ttttgggtta   480

<210>   3552
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f11d1

<400>   3552

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ttaaaaaaaa tgaagagaat tccacacaaa agtaaaggag atttcaaagc aaatgacttt   120

tcagtctcag gttacaatca acgacaatca cacgaaacac aatagaacaa cataacacac   180

ttgtgcccaa ctcacgccta gtcgtggctg atgcacttta ttcagctttt aacatatgaa   240

attgatggaa ttaagggtca attaagcccc ataatacatc aatttttatt tcttagatag   300

cattagtaga gtaaaacatg agcttaattt gatgatttaa ttgtgcccct gagtaaggga   360

agcatcaatt tttttgctaa ccacaacagc cagttgcaac aaggtatga   409

<210>   3553
<211>   476
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f12a1

<400>   3553

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tccccctatt gacctttggt catcacaagc gaaaacccac ttctggatct tctggtgtaa   120

aggccattag aagctttaga aattttctaa ttgagttggt gtatagtgtt gaagggggtg   180

aaatctggag cccagtttgt tagttgttac tcacttcatc tgtaagctca taggttgaac   240

cctctttttt tggagactta cctgggaaaa gatgatgatg tttgaagata tggggttttg   300

tggcgatttg gatatgttat gtgtttctct tggagagggg gatattgctg tgagacaaac   360

tgaaccggat cctgtagttg aggatgacta cagtgatgaa gaaattgatg tggatgaact   420

tgagaagagg atgtggaggg acaaaatgcg tcacaagcga ttgaaagaac aaacca   476

<210>   3554
<211>   400
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056f12d1

<400>   3554

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ataccctgcc ttattttact atattgagca cgaatgttca tctaaaatca atgtatggtg  180

cctactaatg acaccaaacc aagaggcgtc gttccaggac cgtgacacaa ctggcaatgc  240

ttgaacatca cggacttgcg ttatcatccc ttgtggtact ctccaattga cggaatgaag  300

cagattacct ggaacaggtg atgatattac ggctggcata ggtaaacctt ggcaacttct  360

gcaacctgtt ccaaacagaa ttacatggaa acattggcca                        400
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<210>   3555
<211>   457
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056g01a1

<400>   3555

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gtgaccccca tgcgccgcct caccatgcgg cggttccgtc agcgttacat gtactattca  120

tattgctatg atactttaag gtaccctgtg ccacaacccg agtgtgtcat tgtaccctcc  180

gagaaacaaa ggtttaagga gaccggaagg ttgaaatttg gcggcagtca ccaccggcaa  240

tctcgacgga ggggccgtac aacaactccg gtggatcata ccgatcaggg tgatatgtga  300

tgattgatat tgagatgtat ataatagtgt caattttta gatctttatt tgtggttttt  360

tttttttaca ttatatattt atttgccgac aggcataaat aaaccaatcg atttatatat  420

ggtctttatt tttgtttaat aaatgtgttt tggtgtt                           457
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<210>   3556
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<223>   Clone ID: jC-gmfl02220056g01d1

<400>   3556

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ggaaaaaggg ccccattgat aaaaaaaaaa aaatggttta aaaaggggggt aatatttttt   180

ataaaaaaac ctaaaaaatg agggaaaaaa accccggaaa agcattattt ttttcgggaa   240

accaatttgg gggaaaaatc ttagcggaga attttttccc caaaatttttt tcgaggtaaa   300

aacccttttt tt                                                        312


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<223>        Clone ID: jC-gmfl02220056g02a1

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agccaagaag ctatggaatg tgttgaggat caccttcttc atgatcagga agggcttggt   180

gtcaaagagg aagctgatta tggacatgaa tttgatgatg aagaaaggga aattgctcag   240

aaaatctatg agcaatttca tgtcatctca tcaccatcat cattattcaa agagtttggc   300

acgtggttat ggcatgcagg aatatgaatt ctcatgcagc aacagtccaa atcctgtttt   360

tttccatgtg ccaaagagga agcatcattt caacttccct tgcatgaaca ccccagaggt   420

tgttgaagag cctaataata ggcctgtggt tctggtgcct aataatatga cacctgaata   480

cactttcaac cttaggtttg ataatattaa tgcatctgaa tttcgccctg gggagagga   539


<210>        3558
<211>        364
<212>        DNA
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<223>        Clone ID: jC-gmfl02220056g02d1

<400>        3558

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aataaaaaaa aaaaaataaa aaaaggggggg ggacaaatta caaaaagggc ccacccccaa    180

tttacaaaac cgccacccaa aaaacccacc cggttaaaaa acaaccttct atataaaaac    240

cccataaccc catagggggag ggaacccaat ttttaaaaaa aacaaaccct aaaaaaaaaa    300

aaaaaaccct ccttaaaatt ccaaacccaa aaacccggggg atcaaaaccg gggaataatc    360

cgcg                                                                 364


<210>    3559
<211>    542
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmfl02220056g03a1

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aaaccttcga tacccatttc gccctgccc cgaaagtcaa cgtctttgtg aacttcaggg     120

cgaggaggca cgttggggtg cgagtttcga acgcgctgat cgaaccagat ggagggaagc    180

tcgtggagct tgtggtgacg gattttgaga gggatttgaa gaagggtgag gctctttcgt    240

tgccgaggat caagctctca aggattgacc ttgagtgggt ccatgtcctc agcgaaggat    300

gggccacacc cctgaaaggc ttcatgagag aagccgagtt cctccaaacg cttcatttca    360

actcgctccg actcgatgat gggtcggtcg tgaacatgtc agtgcccatc gtgctggcta    420

ttgatgatgc gcagaagcat cggatcggng ataacaaaaa ggttgctctt tttgatccaa    480

gggagacccc gttgcaattc tcaataatat tgagatttat aagcatccta aagaagaaag    540

aa                                                                   542


<210>    3560
<211>    288
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220056g03d1

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gacccaaaaa acaagggaaa attaattccc cccggttttt ttcttttttg ggggaatttt   180

caaacttttc caggggaaaa ccctagggag cccaatttgc tttaaccttt tggaaccggc   240

aattaaatgc cccagggctg ttattttttcc ccaaaaagga ttcgtttt                288


<210>      3561
<211>      525
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056g04a1

<400>      3561

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cagagttaga ggatcaagaa tcagcaaagg cagagaaatg gaaaaaccat tactcatcaa   180

atcacaggat tctccttgtt ggagacggtg acttttcatt ctctctttgt ttggccagag   240

cctttggttc tgctcacaac ctcgttgcca cttctcttga ttcctatgat agcattggaa   300

agaagtacag taatggattg agcaacgtga tggaacttca agaaagaggt tgccttgttt   360

ttcatggtgt tgatgccaag gaaatgagtc agcatttttt tctcaagacc cagaggtttg   420

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agatccagtt gaacaaaagg ttgctgaagg gttttttagca aatgc                   525


<210>      3562
<211>      385
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220056g04d1

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gacttcagag tcgtctttca caccggagag gcatatccta attggacagc acctagacag   120

tctgcgcaac gggattctcg cccgcgacat gcgacgtgcc cgcggcgata tgggcctttt   180

cgccctgttg ctgcgcgttc ttgatctcga cggggagctt gccgcccttg gtgagaccca   240
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tgtcggccgc atacgtcgag tgcgggaccc agccgggcga cttgcgcggc gagccgacct   300

cctccatcat gcggtcgact tgttcgaggg tgaggccctt ggtctcccac acaaagaggt   360

aggcgtagat gaagcacagg acgca   385

<210>   3563
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056g05a1

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acttgttcga cttggagaac accaatcagg atctgaaaag tgacttgaaa gatctctaca   180

taaaccaagc tattcaaatg gatgtggctg gtaatcgcaa ggctgtagtc atctatgtgc   240

ctttcagatt gaggaaggca ttccgcaaga ttcatcttcg acttgtcaga gagttggaga   300

agaagtttag tgggaaggat gttgtcttga ttgccacaag gaggatcgtg cgaccgccaa   360

agaaaggctc tgctgttcag cgaccccgaa cccgcacttt gaccgctgtc catgatgcca   420

tgctggagga tgttgtgtat cctgcagaga ttgttggcaa acgggccaga tatagaattg   480

atggctcaaa aataatgaag gttttcttgg accctaagga gcgcaacaac actgagtac   539

<210>   3564
<211>   494
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056g05d1

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agcactactg aaacaacgaa catagactac agttatgcct gaaattatta cagctgggtc   180

acactagcta gggtgaaccc ttccaaaagc ttaaaggatg caatgctata caggttagac   240

tttaattata aggtggcaca catgatatgc tatgaacaaa atattgattt ggaaaaaaag   300

aataatatta gccggttaaa aaaacgctgc cttgtgcata gcaggaaaaa tatggttcac   360

tcaaagggca aaacaaactt tcctcatcca tcacccatag agggtcagaa gaatattccc   420

atgatgatgg agaaggcact tgtggtgggc aagagaagtt gcaaccctct tcactgttcc   480

cttcataaac tggc   494

<210>   3565
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056g06a1

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ttgaatgaga ggctccttat actggttgca aaacaaggtc gccaccacaa ccgttcttct   180

tcttcatcca tatcttcaca caggcttcaa agtaattcca gacacagaaa accaccctct   240

tcttctattc acaagatctt tgcttttggc tctctcttca ctcgcccaga atcccaccac   300

aactatgact atgatgatgt ctctcccact ccagaagagt cattcatctc aatcaagttt   360

gaagagaatg gggtggcatc gtgggaaaag agcacagtgt caaagaaggt gtcgtcgtgg   420

gaccatcaaa acaaggagaa caagagagtg atagagcatg ggaagtaacg tgacacgttt   480

aggtggccaa agaggatttg g   501

<210>   3566
<211>   282
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056g07d1

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tacataacat tcacacacga tcttatcggc aggctggatg aaaacacttt tcgcaataaa   120

cacagctttt gttgaaaaat ttttgctatg gccgaactgt acgaggatgt taacaatttg   180

ggctacaaca ggattgcaat aactgggttg ctccatgtag tgtaagtcca catcatagct   240

tatgcatgga atgaatcaac tgctactggc tgcgtgtttt ca   282

<210>   3567
<211>   141
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056g08a1

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ggagatggtt catggcaacg tcgccgattt gaggaagacc agagaagatg aaatggaggg   120

gcttgtaaga atgcatggcc t   141

<210>   3568
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220056g08d1

<400>   3568

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aacatcgtta aaaaaacaat atatatacat ggttcctgat ttgaatggta tattataacct   120

tgtatgaaca taaaacagtg ataaagaatt cagccaccca atctgaaaac tgtacaattg   180

agcagtacca caccgcttgc atagatgcaa acctttatct attttagtgt ggtcaaacct   240

ctgcacgtat ccaaagaaat gaaagccagt tatgtccaga cgcaaacaat cccattctta   300

tcagctgaag ctaggggttt tgcaattccg ctccacctac aacacagaac agaggaagtg   360

tgttccttca gagtactgac tatatcacct ttagatattg accaaatata gacagatcca   420

tcagcagacc cagcagcaac atgattgtca tctgggctga tacaggagcg actccaatta   480

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<210>   3569
<211>   499
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220056g09a1

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tgttttttttg caggtttggc acctagcagg gtaattattt gagggagcgg ggtcaggctt   120

aattctccgg gtctttaact tttaataact tttgttggag aagaattaag acatctaaat   180

ggcttcaaat tccgataagg attccccaac accaccttca cctgattcat cttcatccca   240

atccccgcca tcatctcctc caccatccca agatagttca tcgcccccac catcatctca   300

ggataattcg tcgccgccac catcgtcccc cccgccatca tccccaccac catcatcttc   360

gcctcctccg tccccgccac cgccgtcatc aaatgatcag aaatccccgc ctccgccatc   420

tgactcatcc tcctcccccc catctccacc accgncgcca cctcctgata aggattcagg   480

cagccaccgg tcgccaccg   499

<210>   3570
<211>   247
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056g09d1

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aacggctcca acaaaagcca caaagttata tgaccttaca agcattctca tcatatataa   120

cacaggagct cgcatccgga atcacgcgcg agctgtccac ttaggatatt gaacgtcata   180

tcctatcgac tgagttgatt gaagagagca tggcagacac cttactagac tgagacatat   240

agattga   247

<210>   3571
<211>   495
<212>   DNA
<213>   Glycine max

<223>   ˙   Clone ID: jC-gmfl02220056g10a1

<400>   3571

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tcggagttgc agctcgagag gatcaatgtc tactacaacg aggccagttg cggtcggttc   240

gtgccgcgcg cggttctcat ggacctcgaa ccgggcacca tggacagcgt ccggtccggg   300

ccgtacgggc agatcttcag gcccgacaac tttgtgtttg ggcagtccgg ggcagggaac   360

aactgggcca aggggcatta cactgagggt gcggaattga ttgattccgt tctcgatgtt   420

gtgcgcaagg aggctgagaa ctgcgattgc ttgcaaggtt ttcaagtgtg ccattccctg   480

gggggaggaa ctgga   495

<210>   3572
<211>   409
<212>   DNA
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<223>   Clone ID: jC-gmfl02220056g10d1

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cattctgact tacatgttcc ttgcatggct ttcatcaagg aaccctgcga agcatttgta   120

acaggattga tttcacacag acttatttac acacaccaaa tgctggatat cgacgtctac   180

acctgtacac aaaataaacc gctcttcacg tagacaaaac ctaacagaac ctatcattat   240

ggaagaagag ccctgttcca atccctaagg catttcttaa gtggatcagt gatcttccct   300

cggcacaatg caatgaacac tacgtcacac tcttgaccca gtgagatgac ccgtgcacca   360

gttagcaatg ctttgtccaa ctgctcttgt acatacttgt acccgggt   409

<210>   3573
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056g11d1

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cccaatgcaa gacaaaaaga catgatcgag gaaccaagta atgaatctct cccattttag   180

<210>   3574
<211>   487
<212>   DNA
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<400>   3574

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tttcccttat ggggaaaaaa ggaaaccgtt tatgaggctt ggagcattaa taaagccgct   180

tataaaatat cccgatttttt gggaaattag ggggtccaaa caaacaaggt aatcaaacaa   240

tttggaaaga aaattttttt ttctgggctt ggaaaaaaat aacccccccta atcccggggc   300

aagggaacct tatttaaaag acatgggggg gccttgacag gggcccaaaa ttttttgggga   360

aactgggatg ggaacccgaa aaacttggtg caaaaagggg gcttcaagac cttggggggag   420

cccccccata aaaaggtccc caaggttggg ggcttaaggg tgctgaaaaa cctcgtattt   480

tgggggg   487

<210>   3575
<211>   515
<212>   DNA
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accctcctgc agcacctttg ttcgacccag aggagctcac acagtggtcc ttctatagag   180

ccctcatcgc tgagttcata gcaacccttc tcttgcttta tgtcactgtg ctcaccatta   240

ttggctacaa aaggcagact gatacaacgg taggtggcac cgactgtgat ggggtaggca   300

ttttgggcat cgattgggcc tttggtggca tgatcttcat ccttgattac tgcaccgccg   360

gtatttcagg aggacacata aaccctgcgg agacattcgg gttggaccta agacgcaagg   420

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aggtcgtgaa tacggcgttg ttgtacatgg tggcacagtg tgcccgagct atctggagga    480

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<211>      447
<212>      DNA
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<223>      Clone ID: jC-gmfl02220056h01d1

<400>      3576

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gcccatgacg caacacatgc accacctaat aatcataatt ttacatcttt acatacaaaa    180

tacaaagact ttaaattaaa attaaaaaaa aaaagataaa cagatcatct tgatgaaatg    240

aaaccgaaac ccagaaacat tggtttgatt tttttggtg gtcccaactt gattaagcat     300

gaacggtttg attgaatcac ttggacttga agggaatggc cctgattacg acctggtggt    360

aaagtgctgc aagtgcagca ccaatgaaag gtcccaccca gaagatccag tgatcattcc    420

aaccaaggtc cttgttgaaa atgatag                                        447


<210>      3577
<211>      551
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220056h02a1

<400>      3577

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aaaccttcga tacccatttc gcccctgccc cgaaagtcaa cgtctttgtg aacttcaggg    120

cgaggaggca cgttggggtg cgagtttcga acgcgctgat cgaaccagat ggagggaagc    180

tcgtggagct tgtggtgacg gattttgaga gggatttgaa gaagggtgag gctctttcgt    240

tgccgaggat caagctctca aggattgacc ttgagtgggt ccatgtcctc agcgaaggat    300

gggccacacc cctgaaaggc ttcatgagag aagccgagtt cctccaaacg cttcatttca    360
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actcgctccg actcgatgat gggtcggtcg tgaacatgtc agtgcccatc gtgctggcta 420

ttgatgatgc gcagaagcat cggatcgggg ataacaaaca ggttgctctt tntgattcca 480

agggagaccc cgttgcaatt ctcaataata ttgagatgta tagcatccta aagaagaaag 540

atagcccgaa c 551

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<211>   458
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<223>   Clone ID: jC-gmfl02220056h02d1

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tttgcatgat cataggaata attcagcatc cattccctaa gcaaaacggg ttcagttatt 180

taacgagctg gggccccgac ccgccacaaa ctccgctcca cctctctgcg gttcaaccga 240

acccgtcatc ggtgtaaccg ggtgaaccgg aaccgaaccg gtattcggca cgggatgata 300

cccatgctgc ttcaaaccat catgaaccac cgcggcggag gggctgtaag gttgcagtgg 360

ggtcacgtgc ctcacgcccg ccccatataa ttgacccgaa cccggaacca aatgatggta 420

cccgattgga acctgaggtg gcatcacagc atgatatg 458

<210>   3579
<211>   399
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056h03a1

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gtgtctataa ctgctgtttt gtatgttcgc tacaagctaa gaaattgtca gtgctcaggg 180

ccataggtga agaaactaaa agggagctct ataaaccaaa aggatcataa atgcaagatc 240

cgaccggact tggatgactt caagattatg agggcacaga tgttccccta cgaggagctt 300

gatagggcaa ctagtggatt caaagactga gttcatattg tggaagggaa gtttttcatg   360

tggagtcaaa ggaggtctca aagatggtac tgttgttgc   399

<210>   3580
<211>   464
<212>   DNA
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<223>   Clone ID: jC-gmf102220056h03d1

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atatatatat atatttctgt tagtttcaat tagttgaaac taagttggta tttaggtgat   180

ttatcaggat tgaagagacc aaaatgacgc tcagtatcag caccttgctt ctggtttttcg   240

tcaaacatgg cgaacaagta agtctctata gactcaccag gcctctttgg agttccattc   300

ccactcgagg catgacgaat caaattagca tagtaagtgc ctgcattatc aattgaggct   360

ccagctccac cttcagatgg ccacccactc tcagaaacca ctatctgcaa attggacgct   420

cccactttct ccaaagcagc atatattgaa tccaacatag catc   464

<210>   3581
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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ttggtggtcg cattcatact gacttctcat ttggttgtcc agttgacatg ggagcctcat   180

ggctacatgg agtttgtaat gagaatccat tggctccatt gattcgtggc ctggggcttt   240

cattatatcg taccagtggt gataactctg tcttatatga ccatgatttg gaaagttata   300

tgctttttaa cattgatggt aagcaagttc cacaacagat ggtcattgaa gttggagaca   360

tctttaagaa aattctggaa gagacaggga aagtgaggga tgagcatacc gaggacatnt   420

1457

tcagttccca agctatttca attgtgctag ataggcaccc agaactaagg caacaaggac   480

cttgcccatg aagtgctaca atggtttata tgcagaatgg aagcttggtt ggctgctgat   540

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<210>   3582
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056h04d1

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tataacaacc aaaatcgatt aggtaggcaa agtaaaaggt ggcataagat ctaatagcac   180

tagagaaaga cataatgaac agtctaatcc tcgtcttcct cgtctccgtc tccacctgcg   240

gccttcttag cagcagccct ttggtttctt ctcttcactc ttccagggcg tccgccacca   300

aggggacttg taagtgagaa gtcaatgtgc ttctgtgagt caaccctcac caagaaagat   360

gggatgttca ccacttgcct cccaaccctg atatgtctct gcttgatgag aaccctggcg   420

tggtgaatgg acttggccat cccggatttg aagacgagcg tctgaggcgg cgctcgagga   480

aattctcga   489

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<211>   524
<212>   DNA
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<223>   Clone ID: jC-gmfl02220056h05a1

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ggagctagcg gtggtattaa ggatgtaagt aaacttgaag gtggtgcatc atgctcatca   180

gaagtcctac aagcattgcc cgttttgaag aaatcatatg gagacagttt gcacaaggtt   240

ttgcatgttg gccctgactc ttgttctgtg ttatctagtt tgttagaaga agaggatact   300

gaggcttggg gaatagaacc atatgagtta gatgatgttg gtgcaaagtg taaaagtctt   360

gtacgcaagg gcattgttat ccaggtcaac agagaactag aggtgaagaa gtggccaaat   420

ttggtcgtcc agccaaattg cgcagctcat cttggtggat aaggtttttc gttcagtcta   480

gtttagatga aaatgaaact gctggaagga aagttgaaca ggct   524

<210>   3584
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056h06a1

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cgccgccgca acaacaacaa caaccgccgt cacacccccg atggcgtcgt gctcccgcgc   180

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gccaccggcc tcgaccaggc cgtcataaac tcctacccca gtttccatt cgttaaggaa   300

ggtaattacg acagcacatg ctcgatctgt ttgtgcgagt acaaggattc ggagatgctg   360

aggatgatgc cagagtgtcg acactacttt catctctgtt gtctcgaccc atggctcaag   420

cttaacgggt cctgccccgt ttgccggaac tcccccatgc cgacgccgct gtccacgccg   480

ctgcacgagg tcgtgc   496

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<211>   490
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056h07a1

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gctgtttagt ttgcagggcg tgctgaaaca gcgcgaggag agtctcaata ggggtgtgaa   180

ggagatgcag caggagatgg aggctttgga gcagcagtta cagatggtgt tgatgaatac   240

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tgatgttttg gaggggtggt tgagggataa tcaggggaag aagatggccg gtttggagaa   300

tcccgaggat gcttttgagt gtgcggatgt gctctccaag cagatgcttg actgtactgc   360

tgctgatttg gcgattgagg acacgcttta cgcgttggat aaggcacttc aggttggagg   420

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ccgggccact                                                          490


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<211>      484
<212>      DNA
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<223>      unsure at all n locations
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ctccgaccac gagacccacg tcagcttgtg gagcttctgc gagaacaaga acgaggttcg   240

ttgcgttggg aaactgtgca tggtcgatgt tatttgctac ctttgcagag aggacaatct   300

cttgtctcct tctaaagctc tcaaagaacc actttcttca attctcccta aggatcaatc   360

tctcgttgtg catcttcaac cttcttctag cttgtttgaa gctattgatc ttatcctcca   420

aggtgcacag aatcttgtgg tgccaatatt gccaacaaag aggagtggag tttcaagaag   480

gaaa                                                                484


<210>      3587
<211>      499
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056h08d1

<400>      3587

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atcctaaatt atgttataat aaacataaca attactaaaa ttctgcataa gttgccacgt   120
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1460

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tatttcataa tgaattagcc aaatcatcct atggtcctat cttagcccat agaagcaact   300

agatccagtg cagttgccaa ccttgttgac atgtaaatta gattgattga ctgctagaca   360

gggtcctgta tatcttccta atagtatccg gagtcgttct gcaacaggca cctacaaggg   420

aagctcctaa ctcacaccat ttatttacat atgagataaa atcttcatct tgtacaccag   480

tattttgcac ccactcctt                                                499


<210>      3588
<211>      496
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<223>      Clone ID: jC-gmfl02220056h09a1

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tcggagttgc agctcgagag gatcaatgtc tactacaacg aggccagttg cggtcggttc   240

gtgccgcgcg cggttctcat ggacctcgaa ccgggcacca tggacagcgt ccggtccggg   300

ccgtacgggc agatcttcag gcccgacaac tttgtgtttg ggcagtccgg ggcagggaac   360

aactgggcca aggggcatta cactgagggt gcggaattga ttgattccgt tctcgatgtt   420

gtgcgcaagg aggctgagaa ctgcgattgc ttgcaaggtt ttcaagtgtg ccattccctg   480

gggggaggaa ctggat                                                    496


<210>      3589
<211>      247
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220056h09d1

<400>      3589

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tgtgtttttt ttttttttctt ttatacaatt ttgttacttt gatttattgg gggggaaaac    120

aatatggtga cccataggcc taggggacat tcctcccccc aaaaaaaagg ggcattatac    180

gaattacttt ttctttgaaa actgttgttg gatgaaaaaa aagacccccg gattatcatc    240

attatca                                                             247
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<210>   3590
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<223>   Clone ID: jC-gmfl02220056h10a1

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tgcttctggg aacctttcaa aattctctgc ttttctttga tttttgagtt gaattgaatt    180

gcactcttga gctttcaatt gactgcctca gcttcctcaa tttgccacca ctgtactgtt    240

aatgagaata ccataacttt tgacttgact agtcaacggc cagggcaaag gacaagatac    300

agtgagcctt tagacatggg ctgtgtggtg tcagctccga aggactctgg tggaaataga    360

aggaggccag ggagtattgg tgaactttca gtatatgttc ctggtttgag gattcctaaa    420

cctgttgatt ttgctcaatc acttggtgat tatttgtcca agaatatagt ggaacgcctg    480

tctgctctta aaacgcg                                                  497
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<223>   Clone ID: jC-gmfl02220056h10d1

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acacaggcca aaacatctct gtagtctctt gaaatggtaa aggagtcgta gacctctcca    180

tcactacttt tcttgtactc aaacaagaga tatgaatgat tgaaagcagt caatttgcca    240
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aacccatagt caacgtccct ataaagactc caaatagggg gtgatggtgt gaagtctgac 300

aggtgacttc cccctccacc aacaaccaca tgaattgttc cattcacagt gccagagtag 360

tgatgctttt cttcattcac acattgattc tgataaatgg ggcatactct ttcatagtta 420

tggacatgac cataaaatcc aatgtctact ttgtactttt gccaaagctt ctgcaaactt 480

tcccttccca tg 492

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<211>   479
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220056h11a1

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gaaggagcag caagtgtaga tgggagagga ccaagcatat gggacaccta cactagacag 240

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tacaagggtg acataaaaat agcgaaagaa attgggctgg actctttcag attctctatc 360

tcatggtcaa gaatattccc aaagggcaag ggagcagtta accccttgg ggttaaattc 420

tacaacaatg tcatcgatga gatcctagca aatggtttaa aacctttgt cactctttt 479

<210>   3593
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220056h11d1

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aaaaggacac tacctatgat agcacggagc gttaaaaaac gggccttacc tgttgaaaag 180

tgctggaaaa ctcggggcgc taaagggaga ggggattcaa ggaactggga aaaaatgaac 240

cttgttcttg cgaggacaga aaaa   264

<210>   3594
<211>   483
<212>   DNA
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<223>   Clone ID: jC-gmfl02220056h12a1

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tgagaaaaac cctactttgg tatctagcta gctagcttcg gcaacttaca cacacacaca   180

cacacacaca tatattgagt tgtgagttaa gggtcttggc tcttttgcta cgaggatccc   240

aactactcac actcttgggg aatcaagcgt ctcggtccga tccattttct gttttgtttt   300

tgctacaagt atattaattt catgttataa actaattaag tagccttttt tttttctttt   360

caattttata ccaatttta gtttcaagga ttgtgttagt ttgctttacc accgtcttgc   420

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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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taaattacag ggaaatacat acaaagacgc acatgagaaa ttaaacagaa gcagcaagaa   240

gagaatgaat taaattcaag gcacaatctt ataagccttg gtcttgacta tccaacttat   300

gaacgaattc ttggagttcc tgaatcccaa aaacccatgt tccttggcct tgatcatgct   360

atccaacatt ccctcccctg agaaataag atccacaaac caccaatcag caacctcgtc   420

aagcttggta ggcagaagct gattctcact cacaatctca tcccaaacag gacccttatc   480

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<223>   Clone ID: jC-gmfl02220057a01a1

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gctccgtcga gcgtgcgtcg cgtcctgatg agcgcgcctc tctcgaccga tctccggtcg   180

aagtacaacg tgcggtccat tccggttcgc aaggacgacg aggtgcaggt ggtgagggga   240

acctacaagg gccgcgaggg caaagtggtc caggtctatc gccgcaagtg ggtcatccac   300

atcgagcgca tcacccgcga gaaggttaac ggctccaccg tcaacgttgg cattcaccct   360

tccaaggttg tcgtcaccaa gcttcgaatg gacaaggacc gcaaatcctt gctcgatcgg   420

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gtcatgcaga ccgtc   495

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<223>   Clone ID: jC-gmfl02220057a01d1

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cccgaatacc tatacacatg cgtggaccaa aggcgtaaac gggcttacac tggactgacc   180

taccgaaaat gcccgggata cacgaagtga aacgcactat gctcagcata tgtttaaacc   240

ttactgtagc accagggagt ttaaaccacc aaacctacca tctggctgac ccggatctta   300

cacagcggat cccactatgc gggagtcaac agcctaagac accggcacct tgacaaattg   360

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<213>   Glycine max

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caatttcctt gctcaaatca gcaaaaaata gatcatcttc cagttccatg gcaacctcca   180

tatctttgtg atctaattga caaccaaaag agtccctaat ttggcataaa accaagtaca   240

agagtttcta attttcactt tctctttttt ctctctctct ctctcttccc ttctgttttc   300

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aattatttca tatgcatata ggcgaaaaat gaatatttgt cccaaagatt cttatccct   479

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<223>   Clone ID: jC-gmfl02220057a03a1

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gttacatctt caagcgccgc aacgacggga tttacattat taaccttggg aagacatggg   240

agaagcttca gttagcagct agggttattg ttgcaattga gaaccctcag gatatcattg   300

ttcaatccgc aaggccttat ggtcaaagag cggttctgaa gtttgctcag tacactggtg   360

ctcatgctat tgctggaagg cacactcccg gtaccttcac caatcagctt cagacttcgt   420

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<210>   3600
<211>   393
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<223>   Clone ID: jC-gmfl02220057a03d1

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ttgccagaaa tatataacag aatagagggg tatgggatat gagttaagtt ttgatcacat   180

tcaactacac tatcccaaac cgttactgtt aagactttga acttgacttg tactctagga   240

tcatgtcgtt ctcaggagct aatccaacac aagccctcag gatgttttcc agcatagctc   300

gctgctttga caacgcattc accactggtg tacccggtgg aaccagaggg gccttggtca   360

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<210>   3601
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<223>   Clone ID: jC-gmfl02220057a04a1

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aactcatgtt gagagtgaaa atcagccatg agcgtattga agttgcaact gcagtggatg   180

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tgatggaagg gccagtggtg aaacgtcaag ccattagtac tctccgttct atgcagactt   420

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aacta   485

<210> 3602
<211> 437
<212> DNA
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<223> Clone ID: jC-gmfl02220057a04d1

<400> 3602

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aggtttaaca gattaggcag gatgatacaa cagatgcacc acccttgagc ctggatttac   180

cgtacagggc ttattcaaac cggattatct catgcttgga cccataagca acttggggtc   240

tgaaatcaat gttactgatg actttggcta gcgcagactg atgaccatca ctggtggaac   300

ctccagtttt gtcagtccag aaccccaagg gggctacctt aaacaacagt catagattgg   360

ctttggctga tggtgacgac acgttggtga agatttcctt ttcttctaca ataatttgag   420

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<210> 3603
<211> 516
<212> DNA
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<223> Clone ID: jC-gmfl02220057a06a1

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gaggccttcg acgtggagga cgctgcggcg ctggagtcgt agacgcacaa tcacatgagc   180

gatgacgact gcgccgacag cggattccgt gtgcccaatg ttaccagcta gattctggcg   240

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gatctcattc tggctgcaaa ctacttgaac atcaagagcc gtttggacct tacttgccag   420

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<210> 3604
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<212> DNA
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<223> Clone ID: jC-gmfl02220057a06d1

<400> 3604

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gctatctttg gtatttgatg acacaaacat gactttttct aattaataaa aatttacaat   180

gcaaatacgg agggaaccat ttctagattt cattgtgagc ctttcccctg tgttcctc   238

<210> 3605
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220057a07a1

<400> 3605

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tggctttccc acgaggaaga ccaacactga cattacctac attgctagca acggtggaag   180

agtacaaggc atgcaagcgt ggccaccaat gggctagaat gaagatcgga ctctttacta   240

cttgccagag ctcgatgatg ccccattggc ctaggaaggc gcataccttc taaggaaagg   300

atggattcct tgcttggaat tccaggtgga gcacggattc gtgtaccgtg agcacatcaa   360

gacatctgga tactatgatg gacgctactg gaccatgtgg aagctgccta tgtttggctg   420

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<223> Clone ID: jC-gmfl02220057a07d1

<400> 3606

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tccctcattg ggtttacccc ctgtactaat gttcacaatg gtggctgcct tgcacagtcc   180

aaatgtcaca tatcccatgg ctgagatctt ccggaggcaa ggactgaatc caccagcggt   240

gatttgggaa ctgaagttgc ctgcttcctg agccggtcg atccgagcc                289
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<210>   3607
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220057a08a1

<400>   3607

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ttctctcaat atggaagaat tttggatgtt attgctctaa agacacccaa gcttcgggga   180

caggcatggg tttgtctcag tgaagtcact gctgccagca atgcagcgcg acaaatgcac   240

aacttccctt tctatgacaa acctatgaga cttcattatg caaaaacaaa gtcagactgt   300

attgcaaaag aagagggtag ctctgttcca agggaaaaga agacgaaacc agaggagaca   360

gctgacagaa agcggcgtgt tgcggaagca cagcaatctg gtgaggctaa tggaacacat   420

agcg                                                                424
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<210>   3608
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<223>   Clone ID: jC-gmfl02220057a08d1

<400>   3608

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tcctttctt aaagctgata ccagtacaca atgcttcgct tgctcaacag tttaaggatc   180

agccccaact gcttcaacac ccttgtgcct ggattttcca tacagggtct cttcataccg   240
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220057a09a1

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gatgatggat ttgccccgcc acagacatac aaacagttgc ctgatacaac aattaaggtg   180

aatccaaagt tatcacagca tgtgaattct gagtcgaagc aagtgctaga agataataaa   240

gtttctagaa atgaggatca ggttcttagt tctgaaaacg aaaccaaagg caccgaacat   300

cttgcatttc atcaagttcc ttctgttgaa caaaatcaga atctagcatc taaacttcca   360

gacctcaatt tggctgaggt ttctaccagg gaagtctgat aatgatacta aggtccaatc   420

ccagactttt cctttaactg gaaacacagg ccaagatgtt tctcaagatt ttcccccaga   480

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tgatttcctt tat   553

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057a09d1

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atataaacag tgatttctat atgcagtaaa atacaacaaa attgatattt cagccttcgt   180

ttccagaaca gcatatatct gaacaacatg tgatgcagcc gaagcatcct agaccaatgc   240

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<210>   3611
<211>   374
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220057a10a1

<400>   3611

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cggagcaggc ctaagtgtta ccgctcctgg agcgagagcg ccatcgggac tcatcacgcg 180

aagctgtatg tttcaacgaa tgcgctgtca gacaagcagc cgaccagaac gacatggagt 240

tggaagccat tcgtgccgca aaagagaacg cttagctgga cgatgctctc agaggatcca 300

cgccccagta ccggcagatt acatgggatg aaataatcct agctacttca tctatatctg 360

acgatctgcc aatt   374

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<223>   Clone ID: jC-gmf102220057a10d1

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agtgcaagac aaacaaatat gctgtgcgca ttttggcgtg ctgttccttc tctgaaagcc 180

ttttcaacct gttctttaaa tataacggta gcagcatcta gaagaaattc tcgagcaagt 240

tcaggactct ttgcatgctt ttgaggacgg gagcattctc catcaagctc atttccctct 300

tcatccatca aatcatcatc ctcttcttct tctgcctctt cagcatgctc aaagaatctt 360

ctgatacttt cccctttttgt aattgtaaca taaccatccc ctacaattag cctgcaatgt 420

acacatcgtt gaccttttaa tgcatgagct ttaacagaaa gttcagtaca gcgtccgtct 480

agcttccaag cctcgagggt gatgaagcat g   511

<210>   3613
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220057a11a1

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accttcgaag agcaccatgg accctgacgt catcgagatt cctgcctcaa ttcaccaccc   180

tccaagattg cgcgagcaga acaaggtcat tttgcatgat gtgattgaca ttgatgacga   240

ctctgaggat gtagtgataa ttggtgaaaa agttaataat agtaacaaag gaatacaat   300

tgacgccgtt catgatgatc atcaaagaac ggctgattat acttactctc tgactgatgt   360

ggaaaatttt aaatcagtaa gtgggattgc atcttctaac aattatactg cagtgtcaca   420

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<210>   3614
<211>   479
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057a11d1

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aaaatgaact tgatcctgta cacagaagta ataaaagcta agtgtacagt gggtgctatt   180

tttacaaggg gctagcataa gaggagacag cctctgatca aatttttag ttgcctccgc   240

atgaatgcac tgaaagaacc aacgaaaggc aacgtgtgga ttggcctatt ctatcgcaag   300

ggtgcctgag tggctgttag ttaatcaaag ttggttccaa gactaagata aatagtactg   360

taatctttat tcaagtctat ttgctgaaag gtggttgctt atttcctcga tccaaggcat   420

tattccatag agtgtacctt atcccatgct agtcatagga tactgtgaaa ttccacaca   479

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<210>      3615
<211>      423
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220057a12a1

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atgacactta caggtagcaa tgtaaaacga gaatcggacg tatgcagatt gccttgacgg   180

gcttgtggta aagctctaca tgaaaccctg ccatagagag actaagaatg cctgcgtggg   240

accctacatt gcatctgcct ccaagtggac tcgtgaggga atggctacac tagcagctct   300

aaacgtgctg gggaagatca aagggtaccc agattggtcc gatgccaata gggctgaacc   360

cttcctcaat gagaatgctc aaccaccaac tggatccaca agcattgtta atgcaaaagc   420

cct                                                                 423


<210>      3616
<211>      431
<212>      DNA
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<223>      Clone ID: jC-gmfl02220057a12d1

<400>      3616

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tccacagatc cttggcttct catcaataaa tgcagaatca caatacagtc tcccatattc   180

tgtacagcaa catcacctgc caaaaaatag tctagaggct aaattttgta ccaatttcac   240

tttttgtttg gcatctatat gaagttctaa aagaaacagt tgacattgca taaattcttt   300

aactgaacga actgcataca tatgattaga agaagtcatt ctttgagcta atcttaacat   360

taatcctatc attctcatat cttaggtacc agagagaaat ccaagctccc tacttagcat   420

gcactgatgc t                                                        431


<210>      3617
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<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057b01a1

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ccaagcttgg tggaaggaag ctgttgagaa gggtcacggt gacttgaaag acaagccatg   180

gtggcctaag ttgaacactc ttcaagatct gattcacatt tgctgcatta ttatatggac   240

tgcttcagca ctccatgcag ctgtgaattt cggacaatac ccttatggcg gtttcatcct   300

aaatcgtcca actctaacca gaagattgct cccagagcca ggaaccaaag aatatggtga   360

acttaccagt aatcatcaaa aggcttattt gagaacaatt acaggaaaga ctgaggccct   420

tgtggaccta acagtgatag agatattgtc aaggcatgct tctgatgagg tctaccttgg   480

acagagggac aatccaaatt ggactga   507

<210>   3618
<211>   354
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057b01d1

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aaccgatata accccacaca acaatcattg tatgagaata atactaaact tttcattctg   120

atgtctgcct gcacaaacta aattccgccg gccctaaggt taaccgggtc aaaactaccg   180

gagaacttat aaactttctc caacaactga atggaataac acaggatct aaacaaagtc   240

cacctttacc cctggattaa aacctttaat actactacac cttacaaatg ggttagccag   300

aacttacaag cccgaagtca accttggcca gttaacctac cttcatatct ggta   354

<210>   3619
<211>   423
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057b02a1

<400>   3619

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tggggactgc aaatgggcca tagtgtgctt cccaagagtt ctaatccagc aaggataaag   120

gaaaactttg atatttttga ctggtccatt cctgaggaca tgcttgataa attttttgag   180

attcaacagg aaagattact caaggctagc ttcttccatg aaccaaatgg gggttactta   240

ccagaagacg aattgtggga tgggggtata tgaaaagtcg gttgaatgat tagttaaaaa   300

agtggatgga ataaaagaaa cgcatcttct gtttggggtg ttaggctata tgaaaatact   360

cttatcttta gctatgtgca tcctttgtca ctatcagtct tttaagttgc aacccttcaa   420

ctg   423

<210>   3620
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057b02d1

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cttgaaactg atactaggtt atttaaatga aacatcgtta aaaaaacaat atatatacat   120

ggttcctgat ttgaatggta tattatacct tgtatgaaca taaaacagtg ataaagaatt   180

cagccaccca atctgaaaac tgtacaattg agcagtacca caccgtttgc atagatgcaa   240

acctttatct attttagtgt ggtcaaacct gtgcacgtat ccaaagaaat gaaagccagt   300

tatgtccaga cgcaaacaat cccattctta tcagctgaag ctaggggttt tgcaattccg   360

ctccacctac aacacagaac agaggaagtg tgttccttca gagtactgac tatatcacct   420

ttagatattg accaaatata gacagatcca tcagcagacc cagcagcaac atgattgtca   480

tctgggctga tacaggagcg ac   502

<210>   3621
<211>   489
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tgcagtgaga aagaggttgg gcacttcttt gtgtggcttt gttatgttct ttgtgttgga   180

atttgttgat gggtgaagag ggagaagagg tgtcaagaga taaggaacag caacacatgg   240

gagtttatgg aaatgagtgg ttgtttagta gtttctgtgc aaattggcgc cgtttaagac   300

accagaattc ctgttctatg cctccttttg agtgaaaaaa aaaaaacatc aaaacaaaaa   360

cttgttctct ctcagctttt catcttccga tcttaatata cattgactaa aagaaaaata   420

aagggatcaa atttaagttc cttgatctaa taagatcctt gcttttaatt gtactactca   480

tgaagagac   489

<210>   3622
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<212>   DNA
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tttttgagc cacaatacat gcggagggct ataatcggac tgatcaacct gcaccacagg   120

ccatatacgt acactccaca tagattacgt tgctgaattc atattccatc aagactcgga   180

cgcactggcc actgacagag cgtattacag cggtaacgta ttggtctccg catatgctcc   240

atcgctgcgg gtctcgaact cgctgcacag gtatgcatgc tatggatcag tggcgaaacc   300

tcactcgttg accttcgcgg gtctcatcat cgcatagcct gcatgggcca cta   353

<210>   3623
<211>   482
<212>   DNA
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<223>   Clone ID: jC-gmf102220057b04a1

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agtgagctgt ttcaagctgc agaaaaatgg tttgagagag gctggaatag attcaaatta   180

gtaagcttct tggagatggg aaagttgcag cttcaaatga caagtctgat acaacggaaa   240

aagaagagga tgaaatatac tccctggctg gtgctttgga ggatgttgtt aaggcatctc   300

agcttgagat catcgagctg aagcatactg tgggtgaatt aagggcagag ttgagcttac   360

ttaagcagca tgtataagct catgccaagg agcttgacca tagaatgcat cgggtagagg   420

aacttgaaga gcaagagaga gtggcaaatg aaaatattga gggactaatg atggacattg   480

ct   482

<210>   3624
<211>   224
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cgcacaattt gtgacttttg attttctcac tcataaatag atcacacgat agggaaaaag   180

gaggaagaga gcgagagaga gagagtggga gagagagaga gaga   224

<210>   3625
<211>   413
<212>   DNA
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<223>   Clone ID: jC-gmfl02220057b05a1

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cttcatcgcc agttcaccga agagatgcag atcaccgttt tggttctgat tataataaca   120

tgccacgaag ccgtggatat ggtggtggga gagacccagg aagatatcga gacccttcac   180

cctcgtatgg tcgaggtaga gtaggggca ggccaatggg tagagctttt gacgggcctg   240

gctttgcttc tggacttgct agagggggaag gcaacaatcg aaataatgcc aatgtgcgtc 300

ctagggaggg agattggatt tgtcctgatc ccttgtgtaa taatcttaac tatgcaaggc 360

gggaccattg taacagctgt aataggtctc gtaatgcacc tgctagaagt cct 413

<210>   3626
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057b05d1

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accaaaaatt ccactcgccc ttaccaggct ccccaactct gataattaca ctgcaagact 180

tgagaagtat gacacacgac ctcaatgaga tattccatgt attgctctga aaactcattt 240

gcggaagata gatctgaatg tcttcccaac aatttgacaa ccacgctaaa ttcagtgaca 300

acccgccagg taacttgagg caccagctgg tttcttcaag tataacaatt gaagcagtgt 360

aatgctgatt aaacccctgc tgcagt 386

<210>   3627
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220057b06a1

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ctgtattttc caaactacac acatcattta gaaccatgtc tttctctacc aaattgcctt 180

tggttctatg attttcatcc cttttcatcc atgcatcttt ggctgagatg gtgcgagagg 240

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gagactgaga acgcaactga ctgcatctg 329

<210>   3628

<211>   472
<212>   DNA
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<223>   Clone ID: jC-gmfl02220057b06d1

<400>   3628

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gggttagtgt ctaatcatcc tcccctcat ctgtaacgaa tttgccagtt ccaggattca   180

aagcagcaat gaagaagaaa agaacattga acaacactag gggctcgatt tcgttgattg   240

gtaccccagt ctcaatgttg agttgggcta gtgctacctt tgcggttata atttctccaa   300

tcaatgagaa aacgaaaccc aattgagcca atcttcccac aaatagctcg tttgctttcg   360

tgaatccaaa taaaggacct gaaccaagac caagagcttc cctgaagcct ttgcctggag   420

gaataacacc tccagtagta ggttcgtcat caacaaatct tccacggtca cc           472
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<210>   3629
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<223>   Clone ID: jC-gmfl02220057b07a1

<400>   3629

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cttcggcata tattacttcg cctatacatg gtcccctaac gcctagaacg ctatctgcaa   180

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acaaaaaagg ggttggcctg agacat                                        266
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<210>   3630
<211>   532
<212>   DNA
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<223>   Clone ID: jC-gmfl02220057b07d1

<400>   3630

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ctataaaaac attacatttt agacaaatta gtcttcttcc acttcatcct ccgtcaacac     180

ctactataac tgctggtgtt gctgctgcct aacatgtatc atattcacta catacatctt     240

agtaggagta gcctttgacg aacaactcct tcttggcttc ctcggattca ccctcaccgg     300

tgtacttccc aagctgggcg agcgagttgg acttggcacg gaaaaggagt gcatcttgtg     360

ccgacttcac gttctctggg cggcctaccc atgtcttcaa ggcagtgtta tggagggctc     420

tggcatacga gaacgacacg tgccacgggt ttggagattg gatcatggca ttcaagttga     480

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<210>      3631
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220057b08a1

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tgtcccagtt gctattaaca cacagcaaag cgtgttttac ggaacaacgg tcgcggaca      180

caagttgttg daccCctact ttgtgttcat gaatcctatg acaacatatg agatcacttt     240

cttgaaccag cttgccaggg agctcacatg cagtggaggg aaatcagcga tcgaagttgc     300

aaactacatt catagggttc ttgcagggac tttgggattt gagtgcacca atttgactag     360

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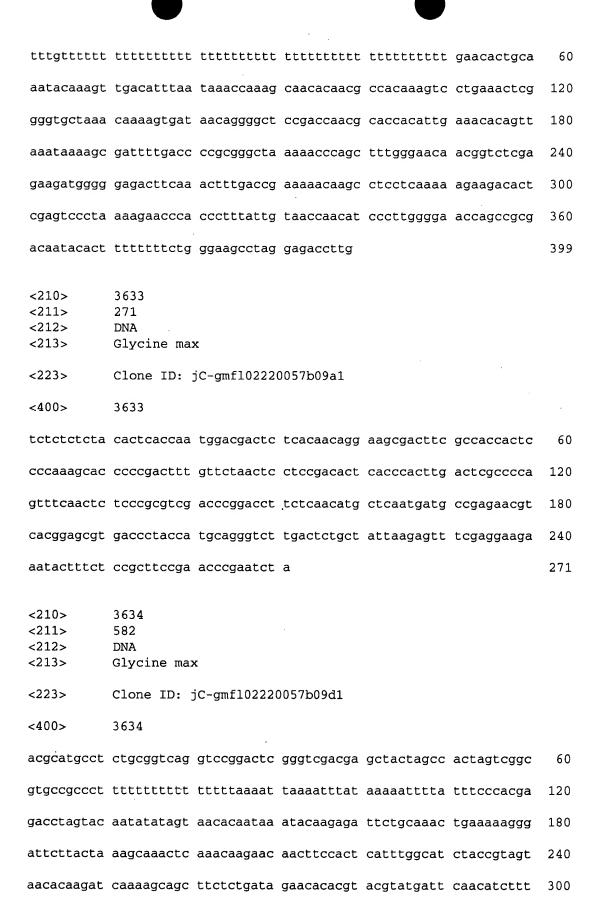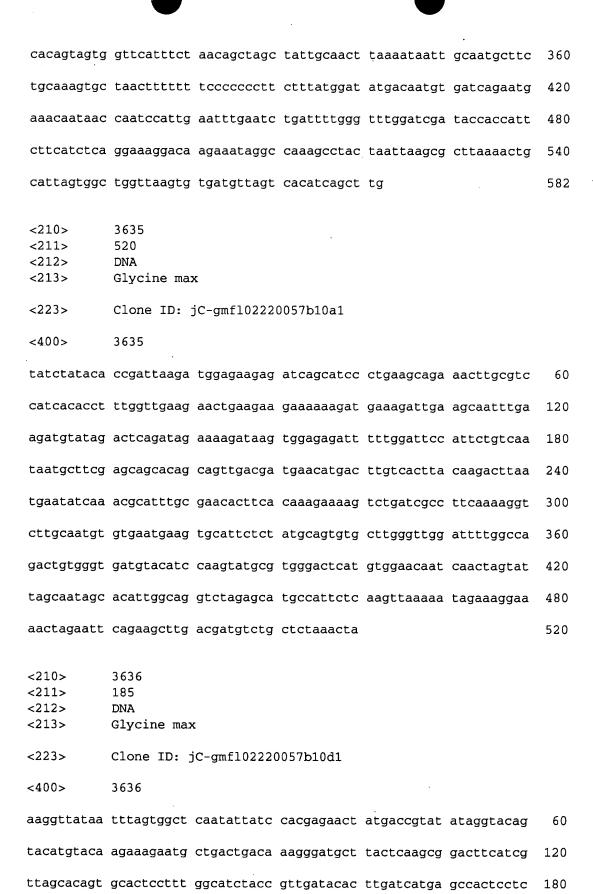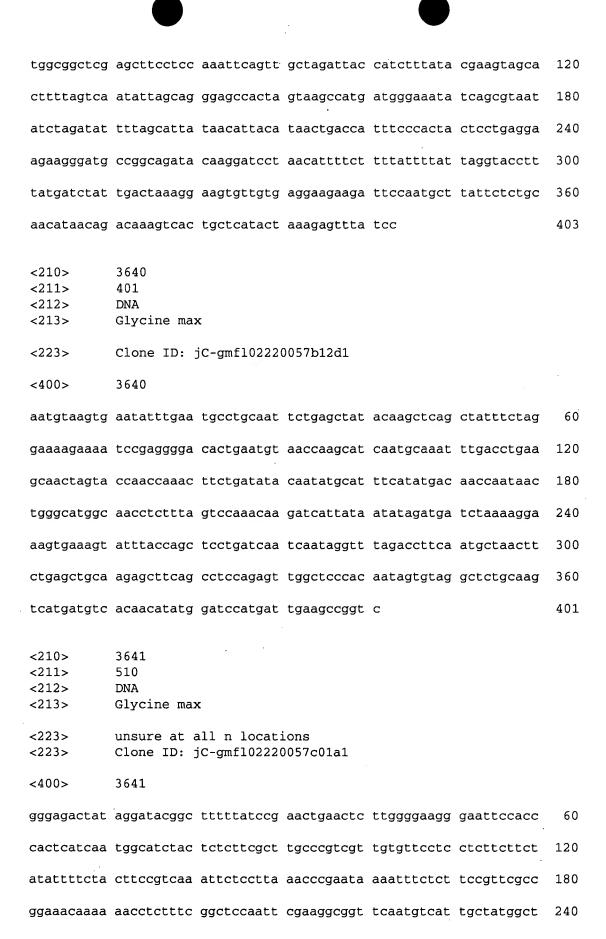
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aaataaaagc gattttgacc ccgcgggcta aaaacccagc tttgggaaca acggtctcga   240

gaagatgggg gagacttcaa actttgaccg aaaaacaagc ctcctcaaaa agaagacact   300

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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220057b09a1

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cccaaagcac ccccgacttt gttctaactc ctccgacact cacccacttg actcgcccca   120

gtttcaactc tcccgcgtcg acccggacct tctcaacatg ctcaatgatg ccgagaacgt   180

cacggagcgt gaccctacca tgcagggtct tgactctgct attaagagtt tcgaggaaga   240

aatactttct ccgcttccga acccgaatct a                                   271


<210>      3634
<211>      582
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220057b09d1

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gtgccgccct ttttttttt tttttaaaat taaaatttat aaaaatttta tttcccacga   120

gacctagtac aatatatagt aacacaataa atacaagaga ttctgcaaac tgaaaaaggg   180

attcttacta aagcaaactc aaacaagaac aacttccact catttggcat ctaccgtagt   240

aacacaagat caaaagcagc ttctctgata gaacacacgt acgtatgatt caacatcttt   300
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cacagtagtg gttcatttct aacagctagc tattgcaact taaaataatt gcaatgcttc    360

tgcaaagtgc taactttttt tccccccctt ctttatggat atgacaatgt gatcagaatg    420

aaacaataac caatccattg aatttgaatc tgattttggg tttggatcga taccaccatt    480

cttcatctca ggaaaggaca agaaataggc caaagcctac taattaagcg cttaaaactg    540

cattagtggc tggttaagtg tgatgttagt cacatcagct tg                       582


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<211>      520
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220057b10a1

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agatgtatag actcagatag aaaagataag tggagagatt tttggattcc attctgtcaa    180

taatgcttcg agcagcacag cagttgacga tgaacatgac ttgtcactta caagacttaa    240

tgaatatcaa acgcatttgc gaacacttca caagaaaag tctgatcgcc ttcaaaaggt    300

cttgcaatgt gtgaatgaag tgcattctct atgcagtgtg cttgggttgg attttggcca    360

gactgtgggt gatgtacatc caagtatgcg tgggactcat gtggaacaat caactagtat    420

tagcaatagc acattggcag gtctagagca tgccattctc aagttaaaaa tagaaaggaa    480

aactagaatt cagaagcttg acgatgtctg ctctaaacta                          520


<210>      3636
<211>      185
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220057b10d1

<400>      3636

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tacatgtaca agaaagaatg ctgactgaca aagggatgct tactcaagcg gacttcatcg    120

ttagcacagt gcactccttt ggcatctacc gttgatacac ttgatcatga gccactcctc    180
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tgatg   185

<210>   3637
<211>   129
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057b11a1

<400>   3637

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taaaagatt   129

<210>   3638
<211>   396
<212>   DNA
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<223>   Clone ID: jC-gmfl02220057b11d1

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aatcacaaga catgtttacc atattaatgt gagaaaaaac acctcccaaa aaatcgttta   180

gaagctaact tgatgtacca atgatactga ggacaaggga tctatatgat gctgtaaacg   240

aaacagaagt catcgcataa attgtacaac tgaaagaact ggatacatat gattagaata   300

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gagaactaca agctccatac tcagcatgca ctgatg   396

<210>   3639
<211>   403
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057b12a1

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cttttagtca atattagcag ggagccacta gtaagccatg atgggaaata tcagcgtaat   180

atctagatat tttagcatta taacattaca taactgacca tttcccacta ctcctgagga   240

agaagggatg ccggcagata caaggatcct aacattttct tttattttat taggtacctt   300

tatgatctat tgactaaagg aagtgttgtg aggaagaaga ttccaatgct tattctctgc   360

aacataacag acaaagtcac tgctcatact aaagagttta tcc   403

<210>   3640
<211>   401
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220057b12d1

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gaaaagaaaa tccgagggga cactgaatgt aaccaagcat caatgcaaat ttgacctgaa   120

gcaactagta ccaaccaaac ttctgatata caatatgcat ttcatatgac aaccaataac   180

tgggcatggc aacctcttta gtccaaacaa gatcattata atatagatga tctaaaagga   240

aagtgaaagt atttaccagc tcctgatcaa tcaataggtt tagaccttca atgctaactt   300

ctgagctgca agagcttcag cctccagagt tggctcccac aatagtgtag gctctgcaag   360

tcatgatgtc acaacatatg gatccatgat tgaagccggt c   401

<210>   3641
<211>   510
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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cactcatcaa tggcatctac tctcttcgct tgcccgtcgt tgtgttcctc ctcttcttct   120

atattttcta cttccgtcaa attctcctta aacccgaata aaatttctct tccgttcgcc   180

ggaaacaaaa aacctctttc ggctccaatt cgaaggcggt tcaatgtcat tgctatggct   240

1485

cccccctaaac ccggtgggaa ggccaagaaa gtggttggaa ttataaagct ggctcttgaa   300

gctgggaagg ctacacctgc tcctcccgtt ggccctgctc ttggttccaa gggtgtcaat   360

attatggctt tctgtaagga ttacaacgct agaaccgncg acaagcccgg ttatgtcatt   420

cctgtggaaa ttacagtcta cgacgataaa agctttactt tcatattgaa gaccccacct   480

gcttcggttc tacttcttaa agccgctggg   510

<210>   3642
<211>   470
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c01d1

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aaaagaatgg ctgaggcttt agaaacaagt ttattatccc ttattttcta caagttgaga   120

tactgaatag aagaaaaaat gatcaaggag ccaaccggtc aaccttccac agccgttgtc   180

cattgatctc atggggagta tattgcaacc tgtcatgcaa gcgagatttc tgcccttgcc   240

aaaactggaa aagatgtggt gtaagcctat atccacccca gttcttacgt ttagggatta   300

aacttgcatc agagtattat tcttccagct ctttgaactc ctgataaaga acatgcgtac   360

ccggcactac agtactctgc ttgctgacta ttgctccaat ctgactacct ctagggcggg   420

tatggaaata ctgctctgat tcctcatcgt agactttctg aacaggccct   470

<210>   3643
<211>   482
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c02a1

<400>   3643

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gcggcaacgg ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca   180

ccaccgagac cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa   240

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tgggtgtgcc cgctgagaac gatggctgca aatgtggacc aaactgctcc tgcaaccct    300

gcacttgcaa gtgaggtgtt gggagagcaa gcttcaagca gagatagccc ttaattagga    360

ataatgataa actattaatg tgtagctaaa aacttatgta ttatgtctgt gatggttttc    420

gtgcactctg gtgtttgtg ttaaacaaac atccttagaa taaagtggtc atgtcttgcc     480

tt                                                                    482


<210>      3644
<211>      365
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220057c02d1

<400>      3644

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gtttctgtca catccataaa cacagttgat aaaactagtc tgacttagag tctccataac    120

tccgggttt aacaagatca tacaaaaata tataactttt gcataaatga aaacagcaaa     180

ctaccagcaa ttgaggctag ttctttggcc caatatcctt cagtgcacaa atctgctcct    240

aacccattgc agacataact gacacaacaa ggtccttacc ctcagcagac ccatccttta    300

tctgagtaag cagactctca tctgtaggta acttcaggtc atccttgggt gttcccattt    360

tcagt                                                                 365


<210>      3645
<211>      489
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220057c03a1

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cgtggcggcc gtgtggattc aatgcatctc cggcaacaac tacactttct caaactactc    120

cgacgccctc aaatccctca tgcacctcac tcagctccaa ctcaacaacc tctccgtcgc    180

taaagacgtt ggcaaagcct ttgggcttct cgcgggcctg gcctccgacc gcttccccac    240

ttgggccatt ctcctcatag gctccgtcga aggcctaatt ggctacggaa cccaatggct    300
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cgttgttagc caaagaattc aacccctccc ctactggcag atgtgtgtgt ttctgtgcat   360

gggagggaac agcacgacgt ggatgaacac tgccgttttg gtaacatcca ttcggaactt   420

ccgttcaaac agaagacccg tttcggggat tctgaaaggc tttgtagggt tgagcactgc   480

gatattcac   489

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c03d1

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tcgactcaca tactagctca actaacacct aaatttgtca caatcgattg gctttagcgt   180

tcacagcaaa ccggattaca ctcctggtgt tccaagacag cactgtgctt attgaggatc   240

agagtcacta cccgattacg cctcacttac taagacagcg aactcattac tgggtaatct   300

aataacaacg gacatctggg ccaagcctaa ccataagttt ttaagaacac gcatgctgaa   360

aagaacgaca tctactgctg tagccatagg cacatgactt gacaatgc   408

<210>   3647
<211>   342
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c04a1

<400>   3647

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actctcgtgg ccgcagtccc cgatggtgca ctcttaccaa gactttgaca tagcatggtg   180

agcagagcga gccacattat atgagagtga gtagcttact accctctccc tagacagagg   240

cttaaggctc tggatttcgt ggcagtaagg aatactggat cggaaaaatt gacatgcagc   300

tcaagctagt gcctggtgac tgtgatggaa cagaaactgc ct   342

<210>   3648
<211>   260
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c04d1

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actaatgctg aatgatgttc tatttggctt tacatacaat cccatcacat gaatcgaagt   120

catagtttca cattattgtg actgataggc ctaagataca ttcctaaaat aaaatagcag   180

cagcgattat gcgaattact tttttttgtt acctgtggtt ggatgaaact taagagcagt   240

ggatgatcat cattatcaca   260

<210>   3649
<211>   177
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c05a1

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acaggctaga ccactcatga tcgcataagg atcatcgcca ttgggcatgt ggcacgtgtc   120

cactgtaggc cctccactac cactgtgcac gcgtttcaca agcatgatag catcgac   177

<210>   3650
<211>   309
<212>   DNA
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<223>   Clone ID: jC-gmfl02220057c05d1

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ggacttttcc ttgatatagc tacgctttta cagaatacga gatcgatgac ccaacgacta   120

cattgaccat atgtggcaac ggttgccgac aacccagcac agccacgact catagcatat   180

gtgctaaatg tggaatgcaa gctcttgatg cttggagcgg actagcgggt tattgctgag   240

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gatcctgac                                                            309


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<223>       Clone ID: jC-gmfl02220057c06a1

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caccataaag caaacatgaa taaatatatt gaaaaataat catggtaagt attctgtagg    180

catataattg agtagtatgt atagggattg aggaaggtgc attgagtcaa caagatttgg    240

cgtgacaacc aaaacagcac atgggagtta tagaagctat gtgctgagtt gcgaagccat    300

gatcaatcca atcttgtgtg tgactataag gatttaacag catagacatt agacaccttc    360

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tacgtgttgg agtttgact                                                 439


<210>       3652
<211>       547
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
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aaaaagattc attaaagact gcagggtgga gaaagggg tg gcagaagaaa gattgagggg    180

gaaccaaagt atcatagaca aaatcatgca gcaggctgct cctcagtggc aggagcttct    240

ttctggggtt cttctgtgag gccattagag gtggcatcct ttggctgtga atcaggtgca    300

ccttctgctg cagatccagt tgcttttgat gctgctttct cttttccatc cttattatct    360
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ttggcgtctt tagcaggagc cggtggtgga ggaatcatgt gaggtggtgg·tgtatgcttc   420

agctttaaca gtattngccg gaacctagac agatccgtgg gttagccaag ctttgggcct   480

cggatgaccg taattgatgg cttcttgtac tgatccattt tgactctttt cttttcaatg   540

gtgggaa   547

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<211>   277
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<223>   Clone ID: jC-gmfl02220057c07a1

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aaagtgaggc atgggcacta gaatgtgaaa acgaataggg cataggagg actccaaggg   180

caactgggaa caaagtggag gacaacccct tagtgcagaa aaaagaactg tttcagagcc   240

tgtcctggca gttacaaaac ctaagggaaa ctatctt   277

<210>   3654
<211>   441
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c07d1

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gaaattaaca aagggatccg agttagcccg aaataattat acataatcat atacgacact   180

gaccggaaaa gtataaattg cgcaactaaa tgcgccaacg ctggtttcac tttcattagg   240

tgctaccccg taaaaccttt gtttccactc cagtagaatc ttcctgacag acctgtttct   300

cagtcttgac tggtggattg atcactgatc catgatgcat cgtggcactg gatttgaaag   360

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ctacagaccg atcaatgggg t   441

1491

<210>   3655
<211>   366
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c08a1

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tggccggaaa gcaactcgag gacggccgta ccatcgtcga ctacaacatg cagaaggagt   240

caacccttca gcttgtgctt ggtctacgtg gtggcatgca gatcttggtc tagactctga   300

ctggcaaaac cataaaccta gaagtacaaa gctctgacac cattgacaac gtcaaggcct   360

agatcc                                                               366
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<210>   3656
<211>   435
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c08d1

<400>   3656

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tttaaccaac tggaaatgaa acaaaaaaaa taaaccaaag gttgatctat gcaatctatg   120

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atgggataac agccagatcc agcttcatca gttgaagagc aaagcaggga aattgattga   360

caccagggcc aacttcccat acattcacat aagcattgta aaggccggca gtaactattt   420

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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c09a1

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gaggccttcg aggtggagga ggcggtggcg ctggagtcgc agacgatcaa gcacatgatc   180

gaggacgact gcgccgacag tggaatccct ctccccaatg tcaccagcaa gattctggcg   240

aaggttatcg agtactgcaa gaagcacgtt gaggcgaaca gtgctgatga gaagcccagt   300

gaggatgtgc tcaaggcttg cgacgtggat ttcgtcaacg ttgatcaggc cactctcttc   360

gatctcattc tggctgaaac tacttgacca tcacgagcct ttgggacctt acttgccaga   420

cag   423

<210>   3658
<211>   426
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c09d1

<400>   3658

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cgttcgtcct tttttttttt tttttacatt ctttttaaag accattcatc ttatcacatt   120

ttcaacagaa cattagacga ccaatgttta atcgaatctc cagatgtgat aacaaacaaa   180

ttgcacaatt ataaagaaa ccatactcgg gtgaatcacg ataactgtct atataggtcc   240

cagagcttgc tggacatcag ccttcaaatt ctccaaagct tcaactgcgg agccgcatcg   300

aaccattgtt gtgataaatt ttgcactggg ccctttctga ctgcggatga cccccttacg   360

accacatgcc tgggagatcc acaatgctct aacaggcacc ctacgaggcc gtcatttatc   420

ggattt   426

<210>   3659
<211>   340
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<213>   Glycine max

<223>   Clone ID: jC-gmf102220057c10a1

<400>   3659

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gtttccttcg gaagcggtgg gacactctcg agtgcacaga tcaacgagct ggctctcggg   120

ttggaaaaaa gtgagcaacg gtttctgtgg gtggtgaaga gcccaaacga agaaatagcc   180

aacgcgacgt acttcagcgc cgagagccaa gcggatccct tgcagttctt accggaaggg   240

ttcgtggaga gaacaaaagg aagagggttt ttggttcagt cttgggctcc gcagcctcag   300

gtattgggcc atccatccac ggttgggttc ttgacccact   340

<210>   3660
<211>   351
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220057c10d1

<400>   3660

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tacatgccat attttcacat cattacatag actgtgcaat tccaaaagca agatttaact   120

taacaagatt accactaagt aaaacccctc aatatcctac tacccaccct ttaacattgt   180

tttgtaattt ataatgaaaa gcacaataaa acatcgatca cccactgtga atactctaaa   240

tcaaaagcaa aatgaactct tcactttgac aaaatcatga ttgcagctca agggtcgaag   300

tcctcttggt catcttcaaa ctcctcctgg ttctggtaac cttccatgga g   351

<210>   3661
<211>   247
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220057c11a1

<400>   3661

caagaatttg gacagaggaa ttttattatt agctattaag gtgagatgat gtcatatgat   60

agatagagta caggtcattg agaagacgag caacgacagg gtacttagct tggaatttgt   120

tctcccagtc gttgagaacg ccgatctcct tgtaggatag gccgtcgagg gaggggagga   180

tgtcgtcgta gttcttgctc atgctggcga gggcgcctgg tggcgtatgt gccggcgaac   240

atggtgt   247

<210>   3662
<211>   454
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c11d1

<400>   3662

cctatcaacg caatctgtgt aaaaagcaac agttgttgct ttcccttcct attttatata   60

tatatctgca tgtgccactt aactcctttc aacaaattag tccattttta aatatcagac   120

aactaatatt atggacacgt accgcagtac caattgttca aacatagtta cctagaaacc   180

aacatgggga catagtttat acattgacaa aagttgctgt agtttgtgac tttgttacat   240

tattatcaca atattttctc tcaagtgaat ctaacatgcg attcatggaa ctcgatgaat   300

tcggtatgga aaacgcaaga ttacgaaaag cttaatggga tccatgttca ctggagctac   360

ctgtagacaa acttctcaac ttctgccaga actgcctttt cttcccaata attagaggcc   420

ctgaacgaga atactgcctg aacgactcaa attc   454

<210>   3663
<211>   318
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057c12a1

<400>   3663

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actgcatgat gtgaggctat cctcagttgg gccatgccgg gccaccaggt cggaggtgtt   120

ccacagaccg ggtggcttgg acttggccat gaagcttcac tatcttaagg tggtgtactt   180

ccttgctagt gaggctgcac aagacctaac cattatgaaa atttacgagg ccatgttcac   240

tttgcttaac cattacttca tcacatgtgg ccgcttccgg cgatcagatt tcggtaggcc   300

cttaatcaag tgcaatga   318

<210>   3664

1495

<211> 402
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220057c12d1

<400> 3664

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aattgggtac cggtcgagga cgacggtatc gatcggcggg cgcccttttt ttttttttt      60

tttttttttt tttttttttt gtttttttttt tcttttttttt tttttttttt ttttgaaaa     120

agaaatcccg ttttgattga cacaaaaatt tttatcacgg tctcacgagg ggaatttctg     180

aaactggacc ccgcacaatc taaccatttc ccccacgtga ccctcccaaa ccccaacatt     240

tgttggaacc ttatgaccct tacaaaaggt tcaagggcgg taaaactggg gggaaggccg     300

cattttttgaa aacctgaaaa gccgggtaca aggggggtaaa aaacgggccc cggctttagg    360

ggagccccca tttgaagcgc cctatccatg gcgcaatggg ga                        402
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<210> 3665
<211> 173
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220057d01a1

<400> 3665

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ctctctttgt gcaaagatgg gaaaattaaa aagctatatt tcagtacttg ctgtgacatt      60

tgtattggtg ataggagtag ctgaatgcag aaaaataaaa gaaaatgagt tagttgacag     120

ttttggagga ggtggattag gtggtggtgg cggtggaggt tttggtggat gat            173
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<210> 3666
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220057d02a1

<400> 3666

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caaaaacccct aggtagagag ctcttcctcc ctttctcaca gcaatggccg ccgcagcacg      60

ccctctcgtc accgtgcagg ccctcgacgg tgacatggca accgatgcct ccgccaccgt     120

tcccatccct gacgtcatga aggcctctat ccgccccgac atcgtcaatt tcgtacactc     180
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```
gaacatctcc aagaacagcc gccagccata cgccgtcagt cgtcgcgctg gtcaccagac  240

ctccgccgaa tcctggggta ccggccgagc cgtctcccgt atccccgtg ttcccggcgg  300

cggaacccac cgcgccggcc aaggagcctt tggaaacatg tgccgcggcg gacgcatgtt  360

cgccccgacc aagatctggc gccgctggca taggaagatc aacgtgaacc agaagcgcta  420

cgccgtcgtc ttcgccattg ctgcctccgc cattccttcc ctcgtcctcg ccc         473
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<210>      3667
<211>      372
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220057d02d1

<400>      3667
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cttcttgtat acattgaact ccccatcatc ttctttgcca tcatcctgtt ctttatcttg   60

tgattcacca tgctttgagg tggcttctat atcaataatc ccttacggaa actagcaacc  120

tgggtgtgct ctttctcacc ctaatgtttt acatcctcct tctttgctta aaatgtgatc  180

cttgtctctc tccttcttat ccttgaacat atgcgtctta atagcttcat catcctcgcc  240

tatggaatgg gggccctagg cctataaagt gtctgtgggc ttcacctttt ggccttctta  300

aacgttttct tggcctagta attgttttc ttcaaatgtt aaccattacc agattttccc  360

tttaccttta at                                                       372
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<210>      3668
<211>      499
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220057d03a1

<400>      3668
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aaacaaaaca cacaaaccaa ttttaaataa ccaaaaagaa accacaagtt taaaaataaa   60

accgcaacaa catgattggt agttgagtac aacgcggcat gttataattg gttgcaagat  120

gttaccgaag gtttaatgcg acacgtggac cccattcact ggttggaaat ccagtttatt  180

ctccaccctc acgcacgtaa tcatatccct ggagtcaagt tcaagcatcg ataggaccaa  240

aaaagtaaaa cagagaaagg ggagggacat atttgacatt tcacaaccgc gttcttttct  300
```

```
acggagcctc gaccaagaag aatcgcagtg agaagaagag ggggtcagag tgagaaagag    360

atagagagaa ttcgtaaacc ctaatttcgg aaagatcggc gatgactgcc tccaaggatc    420

gcgagaactt cgtctacatc gccaaactcg ccgagcaggc cgagcgttac gaagagatgg    480

tggaatcaat gaagaacgt                                                 499


<210>       3669
<211>       467
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220057d04a1

<400>       3669

gagacatgca aaaaaccaaa ggttgttcaa gacgctgggc tagctttggc aacaatggta     60

atttgcgagg aagcacttga gcgagaaatg attatatcat cttcttatgt tccaggaatg    120

gaaattacat tatcaagccc cttaaaaagc ctttatagtt tatacagcaa gatgaaacga    180

aaggatgtaa gcattgataa agtatatgat gcacgtgcat taagagtagt tgtgggagac    240

aagaatggaa ctttacacgg tcctgcagtt cggtgttgat atagtcttct cgacattgta    300

cacaggcttt ggactcccat agatggtgaa ttagatgatt acatcattca tccaaagcct    360

agtggctatg agtccttgca cactgcagcc caaggttctg acaacttacc ttagaagtac    420

aaataagaca cagaggatgc ttgagtgtgc tgaacatgga cttgctg                 467


<210>       3670
<211>       286
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220057d04d1

<400>       3670

cacactaaaa aatttatatt tatttatgta ccataaatga gttatataaa atcaaattct     60

acctcgtaca taacaaaaat ccatatttca aactacctag caatgtaata gcgactaatg    120

tccgcctcga atctaccaga tattttgaac tctatggcat acaaattcta agggtatgtt    180

tggatgaggg gaagaaaaag agaaatggat ggaaaattaa aaaactttaa ggtgtgccta    240

ataattgatg acattctatt ctaattcaaa ttttacctta aattta                  286
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<210> 3671
<211> 501
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220057d05a1

<400> 3671

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taattttgtg atcagaatta ttgagctgaa caaaagacaa tgggattgtg ggaagctttt   180

ctcaattggc ttcgcagcct ttttttcaag caggaaatgg agttatctct aataggactt   240

cagaatgctg ggaagacttc ccttgtaaat gtagttgcta ccggtggata tagtgaggac   300

atgattccaa ctgtgggatt caatatgagg aaagtgacaa aagggaatgt tacaataaag   360

ttatgggatc ttggaaggca acctaagttc cgcagcatgt gggaacgtta ctgtcgtgcc   420

gtttctgcta tcggttatgc tgctgatgct gtcgatccag ataaccttag catatcaaga   480

agtgagcttc atgatttgct g   501

<210> 3672
<211> 380
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220057d05d1

<400> 3672

aaacccatga tcattgaatc tccacgttat aattgtaaat aatggattta attcatacaa   60

aaccttaacg gcaataatag taaaatgcaa tcgacaagga ttaaacacta atagcagggc   120

aaaaagattc attcaagact gaatggtgta gaaagtggtg gctgaagaat gatagagggc   180

gaaccaccgt attatacaca aaatcatgct gtaggctgct ggtcagcggc atgagcatct   240

atatggggtg cttatgcgag gccattatag gtgggatcct taggatgtac atcaggtgca   300

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ttggccgatt aagcacgagc   380

<210> 3673

<211>   495
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220057d06a1

<400>   3673

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taaaggggaa cttggtgatt atgcgaaaga atgtgttgga tatcaacagc attaccagtg   120

ttaagggtgt catcggaacc ggcattaaca tcattggagg agtcgtcgac accgttactg   180

ctttggcgtc ccacatctgc atccagctca ttagtgccac caaggctgat ggacatggga   240

aaggaaaagc tggaaaggct acaaatttaa gaggacaagt gtcgttacca accttgggag   300

ctggcgaaga tgcatacgat gttcattttg aatgggacag tgacttcgga attcccggtg   360

cattttacat taagaacttc atgcaggttg agttctatct caagtgtcta actctcgaag   420

acatttcaaa ccactgaacc attcacttcg tatgcaactn ctgtgtttac aactcanaat   480

cctaccatgc tgatc   495

<210>   3674
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220057d06d1

<400>   3674

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taccgatgct atacacttac cctgcttatg ttgactgcta tgaccgtaaa acagtgacca   180

acactgacat aacatgctgc gctctccaca aaacttgacg ctcccttgaa ccatgtcttg   240

actccagctt gagcctggca aatgaacagt catggatctg tttacagggg ctctaattat   300

gtggcgctag ccaccttcgt gcacatcagc ggaccttgtc accacagtca gttgatactt   360

aggttccgca tcggtcactg gggatgccgt cccttaaatg tgcaccgtgg gcaccgactt   420

cggttcaaag ctacact   437